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DEPARTMENT OF TRANSPORTATION

COAST GUARD

**EQUIPMENT
LISTS**

Items Approved, Certified or Accepted under
Marine Inspection and Navigation Laws

15 May 1994

COMDTINST M16714.3E

EQUIPMENT LISTS

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For sale by the U.S. Government Printing Office
Superintendent of Documents, Mail Stop: SSOP, Washington, DC 20402-9328
ISBN 0-16-045408-5



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Washington, DC 20593-0001
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COMDTINST M16714.3E

SEPTEMBER 30, 1994

COMMANDANT INSTRUCTION M16714.3E

Subj: EQUIPMENT LISTS: ITEMS APPROVED, CERTIFIED OR ACCEPTED
UNDER MARINE INSPECTION AND NAVIGATION LAWS

1. **PURPOSE.** This Manual contains a listing of equipment approved or certified by the Commandant of the Coast Guard for use on commercial vessels and recreational boats, for the reference of shipowners, operators, builders, and other persons affected by the navigation and vessel inspection laws and regulations.
2. **ACTION.** Area and District Commanders, Commanders of Maintenance and Logistics Commands, Unit Commanding Officers, and Commander CG Activities Europe, shall ensure that the information in this publication is made available to persons affected by the navigation and vessel inspection laws and regulations.
3. **DIRECTIVES AFFECTED.** COMDTINST M16714.3D is cancelled.
4. **BACKGROUND.**
 - a. This Manual contains a listing of various items of lifesaving, firefighting, pollution abatement, and miscellaneous equipment used aboard vessels. Certain navigation and vessel inspection laws and regulations require these items to be of types which are approved or certified by the Commandant of the Coast Guard.
 - b. This Manual contains the following three lists:
 - (1) Approved and certified instruments, machines, and equipment.

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	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
A	2	2	2		2	2	2	2	1	1		1	1	1	1											
B		8	26		1	6			2					300												20
C				5	8*				5		1		*			1									5	2
D	*		2	5								*	*		2						1*					
E	1*									1	1	1		1												
F																										
G																										
H																										

NON-STANDARD DISTRIBUTION: (See page vi.)

- (2) Acceptable shock tested hydraulic components.
 - (3) Formerly approved instruments, machines, and equipment, which are no longer manufactured, but which may continue in use as long as they are in good and serviceable condition (blue pages).
- c. The need to have approved or certified equipment as indicated in this Manual on board a particular type of vessel is dependent upon the requirements of the navigation and vessel inspection laws and the rules and regulations which are applicable to that vessel. The requirements for approved or certified equipment for various types of vessels are set forth as follows in Title 33 (Navigation and Navigable Waters) and Title 46 (Shipping) of the Code of Federal Regulations:
- (1) Subchapter D - International Navigation Rules, Chapter I, Title 33.
 - (2) Subchapter E - Inland Navigation Rules, Chapter I, Title 33.
 - (3) Subchapter N - Outer Continental Shelf Activities, Chapter I, Title 33.
 - (4) Subchapter O - Pollution, Chapter I, Title 33.
 - (5) Subchapter S - Boating Safety, Chapter I, Title 33.
 - (6) Subchapter C - Uninspected Vessels, Chapter I, Title 46.
 - (7) Subchapter D - Tank Vessels, Chapter I, Title 46.
 - (8) Subchapter F - Marine Engineering, Chapter I, Title 46.
 - (9) Subchapter H - Passenger Vessels, Chapter I, Title 46.
 - (10) Subchapter I - Cargo and Miscellaneous Vessels, Chapter I, Title 46.
 - (11) Subchapter I-A - Mobile Offshore Drilling Units, Chapter I, Title 46.
 - (12) Subchapter J - Electrical Engineering, Chapter I, Title 46.
 - (13) Subchapter O - Certain Bulk Dangerous Cargoes, Chapter I, Title 46.
 - (14) Subchapter Q - Specifications, Chapter I, Title 46.

- (15) Subchapter R - Nautical Schools, Chapter I, Title 46.
- (16) Subchapter T - Small Passenger Vessels (Under 100 Gross Tons), Chapter I, Title 46.
- (17) Subchapter U - Oceanographic Vessels, Chapter I, Title 46.

5. DISCUSSION.

- a. The approval or certification of the items listed applies only to those specific items and does not extend to other devices or products which may be produced by the same manufacturer. The various products listed under each heading are not necessarily equivalent for a specific service. The listings indicate only that the listed items met the minimum requirements of the statutes and regulations in effect on the date of the listing.
- b. The absence of listing of certain items of equipment on board existing vessels does not necessarily mean that such equipment must be replaced with listed equipment. For certain items, approval has been required by the regulations after certain dates as set forth in the regulations. Equipment installed and in use on those dates is generally permitted to be retained in service so long as it remains in good and serviceable condition.
- c. In cases where any question or doubt exists that an item of equipment meets Coast Guard requirements, check with the nearest Coast Guard Marine Safety Office or Marine Inspection Office before the item is acquired for shipboard installation or use. If any of the items in this list do not appear to meet the requirements of the statutes or regulations, information regarding the deficiencies or defects believed to exist should be brought to the attention of Commandant (G-MVI-3) at the address in the heading of this instruction.
- d. In order to keep approvals and certifications current, most are limited to a definite period of time. Most approvals and certifications in the section entitled "Approved and Certified Instruments, Machines, and Equipment" are limited to 5-year periods. If there have been no changes in the Coast Guard requirements and the manufacturer is still producing the items without modification, the Coast Guard normally grants a 5-year approval extension on request. To further identify equipment in this group, those items of equipment which comply with Coast Guard specifications and regulations are assigned individual approval or certification numbers.
- e. The Commander of each Coast Guard district has general responsibility for the administration and enforcement of

the navigation and vessel inspection laws and regulations applicable to instruments, machines, and equipment used on vessels.

- f. The information in this manual is current as of May 15, 1994. Several changes have been made since the last edition: the liferaft servicing facility listings have been broken down by geographic regions for ease of use, and listings have been added for controlled-descent devices and sound signalling appliances. Twelve categories of obsolete engineering equipment which is no longer subject to approval, and for which there have been no changes to the listings since the previous edition of this manual, have been removed.
 - g. The next edition of this manual is planned for 1 September 1996, and biennially thereafter. Real-time approval information from the automated Marine Safety Information System (MSIS) is available to all Coast Guard district offices, Marine Safety Offices, and Marine Inspection Offices.
6. PROCEDURES. Shipowners, operators, builders, and other persons affected by the navigation and vessel inspection laws and regulations should familiarize themselves with the requirements for instruments, machines, and equipment for use on vessels under the jurisdiction of the Coast Guard. To this end, Coast Guard personnel concerned with administration and enforcement of these requirements will extend every possible assistance.



J. C. CARD
REAR ADMIRAL, U.S. COAST GUARD
CHIEF, OFFICE OF MARINE SAFETY,
SECURITY & ENVIRONMENTAL PROTECTION

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Cm: New York (50); Sturgeon Bay (10); Houston (none).
Da: Guam (4).
DI: Liaison Officer MARAD (MAR-742), Liaison Officer Military Sealift Command (Code N-7CG), Liaison Officer Samoa, Liaison Officer World Maritime University (1).
Dm: Training Team No. 1 (4).
Dv: Bath (none).
Ea: San Diego (8); Opa Locka (5).

MARINE SAFETY OFFICES and MARINE INSPECTION OFFICES

For purposes of administering Coast Guard marine inspection activities, local marine inspection offices and marine safety offices are established within each Coast Guard district. Each such office is responsible for inspection activities within the adjacent geographical area. The following list gives the address of each office and the Coast Guard district in which it is located.

First Coast Guard District

Portland, ME: Marine Safety Office, 312 Fore St., P. O. Box 108, Portland, ME 04112-0108
Boston: Marine Safety Office, 455 Commercial St., Boston, MA 02109-1045
Providence: Marine Safety Office, 20 Risho Ave., East Providence, RI 02914
New York: Marine Inspection Office, Battery Park Bldg., New York, NY 10004-1466

Second Coast Guard District

Memphis: Marine Safety Office, Suite 1301, 200 Jefferson Ave., Memphis, TN 38103-2300
St. Louis: Marine Safety Office, 1222 Spruce St., Suite 1.215, St. Louis, MO 63103-2835
Paducah: Marine Safety Office, 225 Tully St., Paducah, KY 42003-7509
Louisville: Marine Safety Office, Room 360, 600 Martin Luther King Jr. Place, Louisville, KY 40201-2230
Huntington: Marine Safety Office, 1415 6th Ave., Huntington, WV 25701-2420
Pittsburgh: Marine Safety Office, Suite 700, Kossman Bldg., Forbes Ave. & Stanwix St., Pittsburgh, PA 15222-1371

Fifth Coast Guard District

Philadelphia: Marine Safety Office, 1 Washington Ave., Philadelphia, PA 19147-4395
Baltimore: Marine Safety Office, Customhouse, 40 South Gay St., Baltimore, MD 21202-4022
Hampton Roads: Marine Safety Office, Norfolk Federal Bldg., 200 Granby Mall, Norfolk, VA 23510-1888
Wilmington, NC: Marine Safety Office, Suite 500, 272 N. Front St., Wilmington, NC 28401-3907

Seventh Coast Guard District

Charleston: Marine Safety Office, 196 Tradd Street, Charleston, SC 29401-1899
Savannah: Marine Safety Office, Georgia Port Authority, Old Administration Bldg. (Garden City), P. O. Box 8191, Savannah, GA 31402-8191
Jacksonville: Marine Safety Office, 7820 Arlington Expressway, Suite 400, Jacksonville, FL 32211-7445
Miami: Marine Safety Office, Claude Pepper Federal Bldg., 51 SW 1st Ave., 5th Floor, Miami, FL 33130-1608
San Juan: Marine Safety Office, USCG Base, La Puntilla Final, P. O. Box S-3666, Old San Juan, PR 00902-3666
Tampa: Marine Safety Office, 155 Columbia Drive, Tampa, FL 33606-3598

EQUIPMENT LISTS

Eighth Coast Guard District

Mobile: Marine Safety Office, 150 N. Royal St., P. O. Box 2924, Mobile, AL 36652-2924
New Orleans: Marine Safety Office, Tidewater Bldg., 1440 Canal St., New Orleans, LA 70130-3396
Morgan City: Marine Safety Office, 800 David Dr., Room 232, Morgan City, LA 70380-1304
Port Arthur: Marine Safety Office, Federal Building, 2875 75th St. & Hwy. 69, Port Arthur, TX 77640-2099
Houston: Marine Safety Office, P.O. Box 446, Galena Park, TX 77547-0446
Galveston: Marine Safety Office, Rm. 313, Post Office Bldg., 601 Rosenberg, Galveston, TX 77550-1705
Corpus Christi: Marine Safety Office, P. O. Box 1621, Corpus Christi, TX 78403-1621

Ninth Coast Guard District

Buffalo: Marine Safety Office, Room 111, Federal Bldg., 111 W. Haron St., Buffalo, NY 14202-2395
Cleveland: Marine Safety Office, 1055 East Ninth Street, Cleveland, OH 44114-1092
Toledo: Marine Safety Office, Federal Bldg., Room 101, 234 Summit Street, Toledo, OH 43604-1590
Detroit: Marine Safety Office, 110 Mt. Elliot Ave., Detroit, MI 48207-4380
Chicago: Marine Safety Office, 215 W. 83rd St., Suite D, Burr Ridge, IL 60521-7059
Milwaukee: Marine Safety Office, 2420 S. Lincoln Memorial Dr., Milwaukee, WI 53207-1997
Sturgeon Bay: Marine Inspection Office, 57 N. 12th Ave., P.O. Box 446, Sturgeon Bay, WI 54235-0446
Duluth: Marine Safety Office, Canal Park, Duluth, MN 55802-2352
Sault Ste. Marie: c/o CG Group, 337 Water St., Sault Ste. Marie, MI 49783-9501

Eleventh Coast Guard District

San Diego: Marine Safety Office, 2710 N. Harbor Drive, San Diego, CA 92101-1064
Los Angeles/Long Beach: Marine Safety Office, 165 N. Pico Avenue, Long Beach, CA 90802-1096
San Francisco Bay: Marine Safety Office, Building #14, Coast Guard Island, Alameda, CA 94501-5100

Thirteenth Coast Guard District

Portland: Marine Safety Office, 6767 N. Basin Avenue, Portland, OR 97217-3929
Puget Sound: Marine Safety Office, Bldg. 1, Pier 36, 1519 Alaskan Way South, Seattle, WA 98134-1192

Fourteenth Coast Guard District

Honolulu: Marine Safety Office, 433 Ala Moana Blvd., Rm. 1, Honolulu, HI 96813-4909
Guam: Marine Safety Office, PSC 455, Box 176, FPO AP 96540-1056

Seventeenth Coast Guard District

Juneau: Marine Safety Office, 2760 Sherwood Lane, Suite 2A, Juneau, AK 99801-8545
Valdez: Marine Safety Office, P. O. Box 486, Valdez, AK 99686-0486
Anchorage: Marine Safety Office, 510 L St., Suite 100, Anchorage, AK 99501-1946

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EQUIPMENT LISTS

FORMERLY APPROVED MATERIALS

164.018 Retroreflective Material W-171

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APPROVED AND CERTIFIED INSTRUMENTS, MACHINES, AND EQUIPMENT

This section contains lists of items which have been approved or certified by the Commandant of the Coast Guard. It is current as of May 15, 1994. Contact any Officer in Charge, Marine Inspection for additional or updated information.

MARINE SANITATION DEVICES

With the exception of holding tanks, all Marine Sanitation Devices (MSD's) manufactured after January 30, 1976 for use on vessels operating on U.S. waters, must be formally certified by the Coast Guard. Evidence of this certification appears on the device as a "certification label." This label contains the name of the manufacturer and the Coast Guard certification number.

MSD's manufactured prior to January 30, 1976 that do not bear a certification label, must have been "letter" certified by the Coast Guard to be acceptable for use on vessels operating in U.S. waters. Vessel operators are encouraged to obtain a copy of this "letter certification" from the manufacturer for display as evidence that their MSD is Coast Guard certified.

It is important to note that label certification of an MSD does not automatically indicate acceptance for use aboard an inspected vessel. Devices accepted for use aboard inspected vessels will so state on the certification label affixed to them (e.g. "U.S. Coast Guard Certification Number 159.15/1000/1/I for inspected vessels"). MSD's certified for uninspected vessels may be accepted for inspected vessel installation upon completion of plan review for compliance with mechanical and electrical engineering requirements in Subchapters F and J of Title 46 of the Code of Federal Regulations.

As of January 30, 1980, if a vessel has a toilet or head installed, it must be equipped with an operable MSD. Vessels 65 feet in length and under may install a Type I, II, or III MSD (Type I MSD's are still permitted on new installations because of a U.S. Coast Guard waiver issued by Federal Register notice Monday July 10, 1978). Vessels over 65 feet in length must install a Type II or III MSD.

As of January 4, 1990, the U.S. Coast Guard has incorporated the MSD certification computer data base into the Marine Safety Information System (MSIS). This means that new certification numbers which are listed below had to be assigned in the same format as Coast Guard approval numbers (e.g. 159.15/1005/4/II is now 159.015/304/0 and 159.15/1105/4/II is now 159.015/584/0). Model names have not changed and formerly assigned certification numbers are still acceptable for use.

Capacity abbreviations used in this listing:

*CMPD = cubic meters per day
GPD = gallons per day
LPD = liters per day
UPD = uses per day*

A/S Atlas, Baltorpvej 154, DK-2750 Ballerup, Copenhagen, Denmark

159.015/2801/0 Type II, Model AWWU Discharge, 9400 GPD capacity, for uninspected vessels.

159.015/2802/0 Type III, Model AWWU Recirculating, 9400 GPD capacity, for uninspected vessels.

159.015/2831/0 Type II, Model AWWU DISCHARGE, 9400 GPD capacity, ltd to PRES. EISENHOWER & PRES. ROOSEVELT. Former certification no. 159.15/1028/3/II.

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Apparatebau Salzkotten GmbH (formerly Deutsche Gerätebau GmbH), Postfach 1140, 4796 Salzkotten, Federal Republic of Germany

- 159.015/7701/0 Type II, Model KSAS-50 biocmpt, 8750 LPD capacity, for uninspected vessels.
- 159.015/7702/0 Type II, Model KSAS-35 biocmpt, 6125 LPD capacity, for uninspected vessels.
- 159.015/7703/0 Type II, Model KSAS-10 biocmpt, 1750 LPD capacity, for uninspected vessels.
- 159.015/7704/0 Type II, Model KSAS-15 biocmpt, 2625 LPD capacity, for uninspected vessels. Former certification no. 159.15/1077/4/II.
- 159.015/7705/0 Type II, Model KSAS-20 biocmpt, 3500 LPD capacity, for uninspected vessels.
- 159.015/7706/0 Type II, Model KSAS-25 biocmpt, 4375 LPD capacity, for uninspected vessels.
- 159.015/7708/0 Type II, Model KSAS-100 biocmpt, 17500 LPD capacity, for uninspected vessels.
- 159.015/7709/0 Type II, Model KSAS-300 biocmpt, 52500 LPD capacity, for uninspected vessels.
- 159.015/7711/0 Type II, Model KSAS-200, 35000 LPD capacity, for uninspected vessels.
- 159.015/7715/0 Type II, Model KSAS-600, 105000 LPD capacity, for uninspected vessels.
- 159.015/7716/0 Type II, Model KSAS-800 biocmpt, 140000 LPD capacity, for uninspected vessels. Former certification no. 159.15/1077/16/II.

Aquachem I. W. GmbH, Quellenweg 13, D-5060 Bergisch, Gladbach 1 (Bensberg), Federal Republic of Germany

- 159.015/9207/0 Type II, Model Aerob "B" 12, 900 LPD capacity, for uninspected vessels.
- 159.015/9208/0 Type II, Model Aerob "B" 18, 1350 LPD capacity, for uninspected vessels.
- 159.015/9209/0 Type II, Model Aerob "B" 25, 1875 LPD capacity, for uninspected vessels.
- 159.015/9210/0 Type II, Model Aerob "B" 35, 2625 LPD capacity, for uninspected vessels.
- 159.015/9211/0 Type II, Model Aerob "B" 45, 3375 LPD capacity, for uninspected vessels.
- 159.015/9212/0 Type II, Model Aerob "B" 55, 4125 LPD capacity, for uninspected vessels.
- 159.015/9213/0 Type II, Model Aerob "B" 75, 5625 LPD capacity, for uninspected vessels.

Aqua Mar GmbH, Zum Alten Wasserwerk 6, D 5063 Overath/Immekeppel, Federal Republic Of Germany

- 159.015/9901/0 Type II, Model BIO-UNIT/MSP I, 2625 LPD capacity, for uninspected vessels.
- 159.015/9902/0 Type II, Model BIO-UNIT/MSP II, 5750 LPD capacity, for uninspected vessels.
- 159.015/9903/0 Type II, Model MSP-25, 1157 GPD capacity, for uninspected vessels.
- 159.015/9904/0 Type II, Model MSP-III, 1987 GPD capacity, for uninspected vessels.
- 159.015/9905/0 Type II, Model MSP-60, 2773 GPD capacity, for uninspected vessels.
- 159.015/9906/0 Type II, Model MSP-80, 13120 LPD capacity, for uninspected vessels.

Aquamaster-Rauma Ltd. (formerly Rauma Repola oy), P.O. Box 220, SF-26101 Rauma, Finland

- 159.015/6701/0 Type II, Model Unex Bio-20, 20 persons capacity, for uninspected vessels.
- 159.015/6702/0 Type II, Model Unex Bio-40, 40 persons capacity, for uninspected vessels.
- 159.015/6703/0 Type II, Model Unex Bio-60, 60 persons capacity, for uninspected vessels.
- 159.015/6704/0 Type II, Model Unex Bio-80, 80 persons capacity, for uninspected vessels.
- 159.015/6705/0 Type II, Model Unex Bio-100, 100 persons capacity, for uninspected vessels.
- 159.015/6706/0 Type II, Model Unex Bio-200, 200 persons capacity, for uninspected vessels.
- 159.015/6707/0 Type II, Model Unex Bio-400, 400 persons capacity, for uninspected vessels.
- 159.015/6708/0 Type II, Model Unex Bio-600, 600 persons capacity, for uninspected vessels.
- 159.015/6709/0 Type II, Model Unex Bio-800, 800 persons capacity, for uninspected vessels.
- 159.015/6710/0 Type II, Model Unex Bio-1000, 1000 persons capacity, for uninspected vessels.

China State Shipbuilding (Hamworthy licensee), Luzhou Machine Works, PO Box 3901, Nanjing, Peoples Republic of China

- 159.015/181/0 Type II, Model ST-0, 120 GPD capacity, for uninspected vessels.
- 159.015/182/0 Type II, Model ST-1, 225 GPD capacity, for uninspected vessels.
- 159.015/183/0 Type II, Model ST-2, 360 GPD capacity, for uninspected vessels.
- 159.015/184/0 Type II, Model ST-4, 720 GPD capacity, for uninspected vessels.
- 159.015/185/0 Type II, Model ST-6, 1080 GPD capacity, for uninspected vessels.
- 159.015/186/0 Type II, Model ST-8, 1440 GPD capacity, for uninspected vessels.

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159.015/187/0 Type II, Model ST-10, 1800 GPD capacity, for uninspected vessels.
 159.015/188/0 Type II, Model ST-13, 9404 GPD capacity, for uninspected vessels.
 159.015/189/0 Type II, Model ST-15, 2700 GPD capacity, for uninspected vessels.
 159.015/190/0 Type II, Model ST-20, 3600 GPD capacity, for uninspected vessels.
 159.015/191/0 Type II, Model ST-25, 4500 GPD capacity, for uninspected vessels.
 159.015/192/0 Type II, Model ST-30, 5400 GPD capacity, for uninspected vessels.
 159.015/193/0 Type II, Model ST-60, 11110 GPD capacity, for uninspected vessels.
 159.015/194/0 Type II, Model RT-20, 360 GPD capacity, for uninspected vessels.
 159.015/195/0 Type II, Model RT-40, 720 GPD capacity, for uninspected vessels.
 159.015/196/0 Type II, Model RT-60, 1080 GPD capacity, for uninspected vessels.
 159.015/197/0 Type II, Model RT-80, 1440 GPD capacity, for uninspected vessels.
 159.015/198/0 Type II, Model T150S, 2700 GPD capacity, for uninspected vessels.
 159.015/199/0 Type II, Model ST-3 & ST-3A, 505 GPD capacity, for uninspected vessels.

Consilium Marine AB (formerly Salen & Wicander), P.O. Box 42126, S-126 12 Stockholm, Sweden

159.015/3004/0 Type II, Model Neptumatic MOC-12, 12000 LPD capacity, for uninspected vessels. Former certification no. 159.15/1030/4/II.
 159.015/3005/0 Type II, Model Neptumatic MOC-20, 20000 LPD capacity, for uninspected vessels. Former certification no. 159.15/1030/5/II.
 159.015/3006/0 Type II, Model Neptumatic MOC-28, 28000 LPD capacity, for uninspected vessels. Former certification no. 159.15/1030/6/II.
 159.015/3007/0 Type II, Model Neptumatic RETRO-30, 30000 LPD capacity, for uninspected vessels. Former certification no. 159.15/1030/7/II.
 159.015/3008/0 Type II, Model Neptumatic MOC-200, 200 CMPD capacity, for uninspected vessels. Former certification no. 159.15/1030/8/II.
 159.015/3009/0 Type II, Neptumatic Model MOC-130, 130 CMPD capacity, for uninspected vessels. Former certification no. 159.15/1030/9/II.
 159.015/3010/0 Type II, Model Neptumatic MOC-50, 50 CMPD capacity, for uninspected vessels.
 159.015/3011/0 Type II, Model Neptumatic MOC-150, 150 CMPD capacity, for uninspected vessels.

Controles Y Equipos Navales, SA, Balmes 152, Barcelona, Spain (8)

159.015/8902/0 Type II, Model TAR 15P, 32 persons capacity, for inspected vessels.

Cooper Industries/Flow Cont. (formerly Demco Inc.), P.O. Box 94700, 845 SE 29th St., Oklahoma City, OK 73143

159.015/2914/0 Type II, Model WT-6000, 6000 GPD capacity, for inspected vessels.
 159.015/2915/0 Type II, Model WT-7000, 7000 GPD capacity, for inspected vessels.
 159.015/2916/0 Type II, Model WT-8000, 8000 GPD capacity, for inspected vessels.
 159.015/2917/0 Type II, Model WT-9000, 9000 GPD capacity, for inspected vessels.
 159.015/2918/0 Type II, Model WT-10000, 10000 GPD capacity, for inspected vessels.

Copak SA, Capitan Haya 3-5, 1, Madrid, Spain 20

159.015/9601/0 Type II, Model MSTP 1, 1370 GPD capacity, for uninspected vessels.
 159.015/9602/0 Type II, Model MSTP 2, 2240 GPD capacity, for uninspected vessels.

Drexel Equipment, Ltd. (Cooper Industries licensee), Waldron Road, Montrose Angus, Scotland DD10 8SW, United Kingdom

159.015/8501/0 Type II, Model WT-325, 325 GPD capacity, for uninspected vessels.
 159.015/8502/0 Type II, Model WT-625, 625 GPD capacity, for uninspected vessels.
 159.015/8503/0 Type II, Model WT-1000, 1000 GPD capacity, for uninspected vessels.
 159.015/8504/0 Type II, Model WT-1250, 1250 GPD capacity, for uninspected vessels.
 159.015/8505/0 Type II, Model WT-1565, 1565 GPD capacity, for uninspected vessels.
 159.015/8506/0 Type II, Model WT-1875, 1875 GPD capacity, for uninspected vessels.
 159.015/8507/0 Type II, Model WT-2200, 2200 GPD capacity, for uninspected vessels.

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159.015/8508/0 Type II, Model WT-2500, 2500 GPD capacity, for uninspected vessels.
 159.015/8509/0 Type II, Model WT-2815, 2815 GPD capacity, for uninspected vessels.
 159.015/8510/0 Type II, Model WT-3125, 3125 GPD capacity, for uninspected vessels.
 159.015/8511/0 Type II, Model WT-3750, 3750 GPD capacity, for uninspected vessels.
 159.015/8512/0 Type II, Model WT-5000, 5000 GPD capacity, for uninspected vessels.
 159.015/8513/0 Type II, Model WT-6000, 6000 GPD capacity, for uninspected vessels.
 159.015/8514/0 Type II, Model WT-7000, 7000 GPD capacity, for uninspected vessels.
 159.015/8515/0 Type II, Model WT-8000, 8000 GPD capacity, for uninspected vessels.
 159.015/8516/0 Type II, Model WT-9000, 9000 GPD capacity, for uninspected vessels.
 159.015/8517/0 Type II, Model WT-10000, 10000 GPD capacity, for uninspected vessels.
 159.015/8518/0 Type II, Model WT-12000, 12500 GPD capacity, for uninspected vessels.
 159.015/8519/0 Type II, Model Freedom Vessel, Retrofit, for uninspected vessels.
 159.015/8520/0 Type II, Model Fortune Vessel, Retrofit, for uninspected vessels.

Electrolux-Wascator AB, Environmental Systems Div., Göttingeverken S-31044, Sweden
 159.015/5501/0 Type III, Model Electrolux, various capacities, for uninspected vessels.

Eltech International Corporation (formerly EES Corp., Omnipure), 12850 Bournewood Drive, Sugar Land, TX 77478

159.015/7201/0 Type II, Model 6 M, 800 GPD capacity, for inspected vessels.
 159.015/7202/0 Type II, Model 4 M, 400 GPD capacity, for inspected vessels.
 159.015/7203/0 Type II, Model 12 M, 3600 GPD capacity, for inspected vessels.
 159.015/7204/0 Type II, Model 8 M, 1800 GPD capacity, for inspected vessels.
 159.015/7205/0 Type II, Model 12 MX, 7500 GPD capacity, for inspected vessels.
 159.015/7206/0 Type II, Model Omnipure 15MX, 15000 GPD capacity, limited to inspected offshore platforms.

Former certification no. 159.15/1072/6/II.

159.015/7207/0 Type II, Model Omnipure 15MX with baffles, 15,000 GPD capacity, for inspected vessels.

Hydraulic capacity 15,000 gpd (56 cu. m/d) and 5-day BOD capacity 30 kg/d.

159.015/7208/0 Type II, Model Omnipure 7ME, 1200 GPD capacity, for inspected vessels.

Elsan Ltd., Buxted Uckfield, East Sussex, United Kingdom TN22 4LW

159.015/3901/0 Type II, Model Type 86 Discharge, 1800 GPD capacity, for uninspected vessels. Former certification no. 159.15/1039/1/II.

159.015/3902/0 Type III, Model Type 86 Recirculating, 1800 GPD capacity, for uninspected vessels. Former certification no. 159.15/1039/2/III.

Envirovac (formerly Effluent Technology Co., Inc.), 1260 Turret Dr., Rockford, IL 61111

159.015/1601/0 Type III, Model Envirovac, various sizes capacity, for inspected vessels.
 159.015/1602/0 Type III, Model MV 340-10, 113 gal. capacity, for inspected vessels.
 159.015/1603/0 Type III, Model MV 380-20, 113 gal. capacity, for inspected vessels.
 159.015/1604/0 Type III, Model MV 640-10, 225 gal. capacity, for inspected vessels.
 159.015/1605/0 Type III, Model MV 680-20, 225 gal. capacity, for inspected vessels.
 159.015/1606/0 Type III, Model MV 940-10, 338 gal. capacity, for inspected vessels.
 159.015/1607/0 Type III, Model MV 980-20, 338 gal. capacity, for inspected vessels.
 159.015/1608/0 Type III, Model MHSW5-21, 2200 gal. capacity, for inspected vessels.
 159.015/1609/0 Type III, Model MV 340-10 VPD, 113 gal. capacity, for inspected vessels.
 159.015/1610/0 Type III, Model MV 380-20 VPD, 113 gal. capacity, for inspected vessels.
 159.015/1611/0 Type III, Model MV 640-10 VPD, 225 gal. capacity, for inspected vessels.
 159.015/1612/0 Type III, Model MV 680-20 VPD, 225 gal. capacity, for inspected vessels.
 159.015/1613/0 Type III, Model MV 940-10 VPD, 338 gal. capacity, for inspected vessels.
 159.015/1614/0 Type III, Model MV 980-20 VPD, 338 gal. capacity, for inspected vessels.
 159.015/1615/0 Type III, Model VSC III, unknown capacity, for uninspected vessels.
 159.015/6304/1 Type II, Model ORCA II A-36, 1080 GPD capacity, for inspected vessels.

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- 159.015/6305/1 Type II, Model ORCA II A-24, 720 GPD capacity, for inspected vessels.
- 159.015/6306/1 Type II, Model ORCA IIA -A12, 360 GPD capacity, for inspected vessels.
- 159.015/6307/0 Type I, Model HGS, 13,000 GPD capacity, limited to the M/V TAKU.
- 159.015/6308/0 Type II, Model ORCA II-165(M5), 5000 GPD capacity, for inspected vessels.
- 159.015/6309/0 Type II, Model ORCA II-330(10), 10000 GPD capacity, for inspected vessels.
- 159.015/6310/0 Type II, Model ORCA II-500(15), 15000 GPD capacity, for inspected vessels.
- 159.015/6311/0 Type II, Model ORCA IIA-70, 2500 GPD capacity, for inspected vessels.

Exstar International Corp. (formerly Marland Environmental Systems), 6502 Windmill Way, Wilmington, NC 28405

- 159.015/1507/0 Type II, Model SS 600 II, 750 GPD capacity, for inspected vessels.
- 159.015/1508/0 Type II, Model SS 630 II, 3000 GPD capacity, for inspected vessels. Former certification no. 159.15/1015/8/II.
- 159.015/1509/0 Type II, Model SS 615, 1350 GPD capacity, for inspected vessels.
- 159.015/1510/0 Type II, Model SS 630 A, 1000 GPD capacity, for inspected vessels.
- 159.015/1511/0 Type II, Model SS 600 C, 750 GPD capacity, for inspected vessels.
- 159.015/1512/0 Type II, Model SS 645 II, 4500 GPD capacity, for inspected vessels. Former certification no. 159.15/1015/12/II.
- 159.015/1533/0 Type II, Model SS-40, 40 GPD capacity, for uninspected vessels.
- 159.015/1534/0 Type II, Model SS-60, 60 GPD capacity, for uninspected vessels.

Fast Systems, 3240 North Broadway, St Louis, MO 63147

- 159.015/332/0 Type II, Model Fast L-1, 150 GPD, capacity, for inspected vessels.
- 159.015/364/0 Type II, Model L-10, 6000 GPD capacity, for inspected vessels.
- 159.015/371/0 Type II, Model FAST D-8, 12,180 GPD capacity, for inspected vessels.
- 159.015/372/0 Type II, Model D-6, 5, 190 GPD capacity, for inspected vessels.

Format-Chemie und Apparate GmbH, Werner-von-Siemens Str. 11, 2086 Ellerau, Federal Republic of Germany

- 159.015/6101/0 Type II, Model MSTP 1, 1370 GPD capacity, for uninspected vessels.
- 159.015/6102/0 Type II, Model MSTP 2, 2240 GPD capacity, for uninspected vessels.
- 159.015/6103/0 Type II, Model MSTP 3, 3560 GPD capacity, for uninspected vessels.
- 159.015/6104/0 Type II, Model MSTP 4, 4360 GPD capacity, for uninspected vessels.
- 159.015/6105/0 Type II, Model MSTP 5, 6070 GPD capacity, for uninspected vessels.
- 159.015/6106/0 Type II, Model MSTP 6, 9370 GPD capacity, for uninspected vessels.
- 159.015/6107/0 Type II, Model MSTP 7, 14000 GPD capacity, for uninspected vessels.
- 159.015/6108/0 Type II, Model MSTP 8, 39270 GPD capacity, for uninspected vessels.
- 159.015/6109/0 Type II, Model MSTP 9, 78540 GPD capacity, for uninspected vessels.
- 159.015/6110/0 Type II, Model Quadripart-8, 39270 GPD capacity, for uninspected vessels.
- 159.015/6111/0 Type II, Model Quadripart-9, 78540 GPD capacity, for uninspected vessels.
- 159.015/6112/0 Type II, Model MSTP 1A, 685 GPD capacity, for uninspected vessels.

Galley Maid Marine Products Inc., PO Box 10417, Riviera Beach, FL 33404

- 159.015/4001/0 Type I, Model Delta Mar Hd 12, 20 GPH capacity, for inspected vessels.
- 159.015/4002/0 Type I, Model Delta Mar Hd 24, 20 GPH capacity, for inspected vessels.
- 159.015/4003/0 Type I, Model Delta Mar Hd 32, 20 GPH capacity, for inspected vessels.
- 159.015/4004/0 Type I, Model Central Waste Treatment System 12, 332 GPD capacity, for inspected vessels. Former certification no. 159.15/1040/4/I.
- 159.015/4005/0 Type I, Model Central Waste Treatment System 24, 332 GPD capacity, for inspected vessels. Former certification no. 159.15/1040/5/I.
- 159.015/4006/0 Type I, Model Central Waste Treatment System 32, 332 GPD capacity.
- 159.015/4007/0 Type I, Model Central Waste Treatment System 115, 332 GPD capacity, for inspected vessels. Former certification no. 159.15/1040/7/I.
- 159.015/4008/0 Type I, Model Del Mar Hd 115, 20 GPH capacity, for inspected vessels.

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159.015/4009/0 Type II, Model Central Waste Treatment System, 1000 GPD capacity, for inspected vessels.
Former certification no. 159.15/1040/9/II.

Garden Reach Shipbuilders & Eng., 43/46 Garden Reach Road, Calcutta 700 024, India

- 159.015/681/0 Type II, Model Omnipure 4M, 400 GPD capacity, for inspected vessels.
- 159.015/682/0 Type II, Model Omnipure 6M, 800 GPD capacity, for inspected vessels.
- 159.015/683/0 Type II, Model Omnipure 8M, 1800 GPD capacity, for inspected vessels.
- 159.015/684/0 Type II, Model Omnipure 12M, 3600 GPD capacity, for inspected vessels.
- 159.015/685/0 Type II, Model Omnipure 12MK, 7500 GPD capacity, for inspected vessels.
- 159.015/686/0 Type II, Model Omnipure 15MX, 15000 GPD capacity, for inspected vessels.

Goko Seisakusho Co., Ltd., No. 27-3, 5-Chome, Shimbashi, Minato-Ku, Tokyo 105, Japan

- 159.015/4901/0 Type III, Model Clean Pet TCP-5, 80 flushes capacity, for uninspected vessels.
- 159.015/4902/0 Type II, Model AEROBICT TF-25, 1000 LPD capacity, for uninspected vessels.
- 159.015/4903/0 Type II, Model AEROBICT TF-40, 1600 LPD capacity, for inspected vessels.
- 159.015/4904/0 Type II, Model AEROBICT TF-50, 2000 LPD capacity, for uninspected vessels.
- 159.015/4905/0 Type II, Model MSTP 7, 14000 GPD capacity, for uninspected vessels.
- 159.015/4906/0 Type II, Model AEROBICT TF-80, 3200 LPD capacity, for uninspected vessels.
- 159.015/4907/0 Type II, Model AEROBICT TF-120, 4800 LPD capacity, for uninspected vessels.
- 159.015/4908/0 Type III, Model TCP-7M, 11.8 gal. capacity, for uninspected vessels.
- 159.015/4909/0 Type II, Model TFC-20, 367.2 GPD capacity, for uninspected vessels.
- 159.015/4910/0 Type II, Model TFC-40, 734.4 GPD capacity, for uninspected vessels.
- 159.015/4911/0 Type II, Model TFC-60, 1024 GPD capacity, for uninspected vessels.
- 159.015/4912/0 Type II, Model TFC-40A, 734.4 GPD capacity, for inspected vessels.
- 159.015/4913/0 Type II, Model AEROBICT TF-150, 6000 LPD capacity, for inspected vessels.
- 159.015/4914/0 Type II, Model AEROBICT TF-200, 8000 LPD capacity, for uninspected vessels.
- 159.015/4915/0 Type II, Model AEROBICT TF-250, 10000 LPD capacity, for uninspected vessels. Former certification no. 159.15/1049/15/II.
- 159.015/4916/0 Type II, Model AEROBICT TF-300, 12000 LPD capacity, for uninspected vessels. Former certification no. 159.15/1049/16/II.
- 159.015/4917/0 Type II, Model AEROBICT TF-400, 16000 LPD capacity, for uninspected vessels. Former certification no. 159.15/1049/17/II.
- 159.015/4918/0 Type II, Model AEROBICT TF-500, 20000 LPD capacity, for uninspected vessels. Former certification no. 159.15/1049/18/II.
- 159.015/4919/0 Type II, Model AEROBICT TF-60, 2400 LPD capacity, for uninspected vessels.
- 159.015/4920/0 Type II, Model AEROBICT TF-90, 3600 LPD capacity, for uninspected vessels.
- 159.015/4921/0 Type II, Model AEROBICT TF-100, 4000 LPD capacity, for uninspected vessels.
- 159.015/4922/0 Type II, Model TFC-80, 2800 LPD capacity, for uninspected vessels.

Gross Mechanical Laboratory, 7240 Standard Dr., Hanover, MD 21076

- 159.015/981/0 Type I, Model TP-110, 40 GPD capacity, for uninspected vessels.
- 159.015/982/0 Type I, Model TP-120, 40 GPD capacity, for uninspected vessels.

Hacettepe University, Institute of Technology, Ankara, Turkey

- 159.015/8802/0 Type II, Model HU-2-15, 15 persons capacity, for uninspected vessels.
- 159.015/8803/0 Type II, Model HU-2-25, 25 persons capacity, for uninspected vessels.
- 159.015/8804/0 Type II, Model HU-2-35, 35 persons capacity, for uninspected vessels.

Hamann Wassertechnik GmbH, PO Box 2201, D-21202 Seevetal, Federal Republic Of Germany

- 159.015/6001/0 Type II, Model HL-CONT 4, 25000 GPD capacity, for inspected vessels.
- 159.015/6002/0 Type II, Model HL-CONT 7, 43700 GPD capacity, for inspected vessels.
- 159.015/6003/0 Type II, Model HL-CONT 15, 93600 GPD capacity, for inspected vessels.
- 159.015/6004/0 Type II, Model HL-CONT 30, 187200 GPD capacity, for inspected vessels.

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- 159.015/6005/0 Type II, Model HL-CONT 45, 280800 GPD capacity, for inspected vessels.
 159.015/6008/0 Type II, Model HL-CONT, 1 CMPH capacity, for inspected vessels.

Hamworthy Canada, Ltd., 113-115 Cushman Rd., St. Catherine, Ontario, Canada L2M 6S9

- 159.015/5901/0 Type II, Model ST-2, 360 GPD capacity, for uninspected vessels.
 159.015/5902/0 Type II, Model ST-4, 720 GPD capacity, for uninspected vessels.
 159.015/5903/0 Type II, Model ST-6, 1080 GPD capacity, for uninspected vessels.
 159.015/5904/0 Type II, Model ST-8, 1440 GPD capacity, for uninspected vessels.
 159.015/5905/0 Type II, Model ST-10, 1800 GPD capacity, for uninspected vessels.
 159.015/5906/0 Type II, Model ST-15, 2700 GPD capacity, for uninspected vessels.
 159.015/5907/0 Type II, Model ST-20, 3600 GPD capacity, for uninspected vessels.

Hamworthy Pumps & Compressors Ltd., Fleets Corner, Poole, Dorset BH17 7LA, England

- 159.015/2301/0 Type II, Model ST-2 & ST-2A, 360 GPD capacity, for inspected vessels.
 159.015/2302/0 Type II, Model ST-4 & ST-4A, 720 GPD capacity, for inspected vessels.
 159.015/2303/0 Type II, Model ST-6 & ST-6A, 1080 GPD capacity, for inspected vessels.
 159.015/2304/0 Type II, Model ST-8, 1440 GPD capacity, for inspected vessels.
 159.015/2305/0 Type II, Model ST-10, 1800 GPD capacity, for inspected vessels.
 159.015/2306/0 Type II, Model ST-15, 2700 GPD capacity, for inspected vessels.
 159.015/2307/0 Type II, Model ST-20, 3600 GPD capacity, for inspected vessels.
 159.015/2316/0 Type II, Model RT-20, 360 GPD capacity, for inspected vessels.
 159.015/2317/0 Type II, Model RT-40, 720 GPD capacity, for inspected vessels.
 159.015/2318/0 Type II, Model RT-60, 1080 GPD capacity, for inspected vessels.
 159.015/2319/0 Type II, Model RT-80, 1440 GPD capacity, for inspected vessels.
 159.015/2320/0 Type II, Model ST-25, 4500 GPD capacity, for inspected vessels.
 159.015/2321/0 Type II, Model ST-30, 5400 GPD capacity, for inspected vessels.
 159.015/2327/0 Type II, Model ST-60, 11110 GPD capacity, for inspected vessels.
 159.015/2328/0 Type II, Model ST-1 & ST-1A, 225 GPD capacity, for inspected vessels.
 159.015/2329/0 Type II, Model ST-13, 2400 GPD capacity, for inspected vessels.
 159.015/2331/0 Type II, Model ST 0, 120 GPD capacity, for inspected vessels.
 159.015/2332/0 Type II, Model ST-40, 7484 GPD capacity, for inspected vessels.
 159.015/2333/0 Type II, Model ST3 & ST3A, 490 GPD capacity, for inspected vessels.
 159.015/2334/0 Type II, Model ST-50, 9700 GPD capacity, for inspected vessels.

Heishin Pump Works Co., Ltd., 527 Furuta, Harima-Cho, Kako-Gun, Hyogo Prefecture 673-01, Japan

- 159.015/2605/0 Type II, Model Cleardam PS-40N, 780 GPD capacity, for uninspected vessels.
 159.015/2606/0 Type II, Model Cleardam PS-80N, 780 GPD capacity, for uninspected vessels.

Humphrey Marine Sewage Systems Inc., P.O. Box 4176, Carlsbad, CA 92018

- 159.015/5401/0 Type II, Model 10A, 5760 GPD capacity, for inspected vessels.
 159.015/5402/0 Type II, Model 12, 2770 GPD capacity, for inspected vessels.
 159.015/5403/0 Type II, Model 10B, 7200 GPD capacity, for inspected vessels.
 159.015/5404/0 Type II, Model 10AB, 5760 GPD capacity, for inspected vessels.
 159.015/5405/0 Type II, Model 10C, 9000 GPD capacity, for inspected vessels.

I S I R, S.A.S. DiAntonelli & Co., Via L. Canepa 16 R, 16165 Genova-Doria, Italy

- 159.015/6201/0 Type II, Model B/25, 2500 LPD capacity, for uninspected vessels.
 159.015/6202/0 Type II, Model B/50, 5000 LPD capacity, for uninspected vessels.
 159.015/6203/0 Type II, Model B/75, 7500 LPD capacity, for uninspected vessels.
 159.015/6204/0 Type II, Model B/100, 10000 LPD capacity, for uninspected vessels.
 159.015/6205/0 Type II, Model B/125, 12500 LPD capacity, for uninspected vessels.
 159.015/6206/0 Type II, Model B/150, 15000 LPD capacity, for uninspected vessels.
 159.015/6207/0 Type II, Model B/200, 20000 LPD capacity, for uninspected vessels.

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159.015/6208/0 Type II, Model B/1000, 100000 LPD capacity, for uninspected vessels.
 159.015/6209/0 Type II, Model 2,000 LPD capacity, for uninspected vessels.
 159.015/6210/0 Type II, Model B/20, 2,100 LPD capacity, for uninspected vessels.
 159.015/6211/0 Type II, Model BIOPURE B/250, 25,000 LPD capacity, for uninspected vessels.
 159.015/6212/0 Type II, Model BIOPURE B/300, 30,000 LPD capacity, for uninspected vessels.
 159.015/6213/0 Type II, Model BIOPURE B/400, 40,000 LPD capacity, for uninspected vessels.
 159.015/6214/0 Type II, Model BIOPURE B/500, 50,000 LPD capacity, for inspected vessels.
 159.015/6215/0 Type II, Model BIOPUREB/600, 60,000 LPD capacity for uninspected vessels.

Jered Brown Brothers, Inc., 56 S. Squirrel, P.O. Box 214464, Auburn Hills, MI 48057

159.015/1101/0 Type III, Model 118-1, 400 GPD capacity, for uninspected vessels.

K. K. Tesika Co., Ltd., 3-18 Nakamagome, 3-Chome, Ota-Ku, Tokyo 143, Japan

159.015/381/0 Type III, Model Mini-Closet, 2 persons, 7 day capacity, for uninspected vessels.

Kvaerner Rosenberg A/S (formerly Fredriksstad Mek Verksted), Moss Verft, P.O. Box 1053, Moss, N-1501 Norway

159.015/4501/0 Type II, Model CP-40, 1500 GPD capacity, for inspected vessels.
 159.015/4502/0 Type II, Model CP-65, 2433 GPD capacity, for inspected vessels.
 159.015/4503/0 Type II, Model CP-80, 2995 GPD capacity, for inspected vessels.
 159.015/4504/0 Type II, Model CP-20, 750 GPD capacity, for uninspected vessels.
 159.015/4505/0 Type II, Model CP-30, 1125 GPD capacity, for uninspected vessels.
 159.015/4506/0 Type II, Model CP-50, 1875 GPD capacity, for uninspected vessels.
 159.015/4507/0 Type II, Model CPR-20, 750 GPD capacity, for inspected vessels.
 159.015/4508/0 Type II, Model CPR-30, 1125 GPD capacity, for inspected vessels.
 159.015/4509/0 Type II, Model CPR-40, 1500 GPD capacity, for inspected vessels.
 159.015/4510/0 Type II, Model CPR-50, 1875 GPD capacity, for inspected vessels.
 159.015/4511/0 Type II, Model CPR-65, 2433 GPD capacity, for inspected vessels.
 159.015/4512/0 Type II, Model CPR-80, 2995 GPD capacity, for inspected vessels.

Kyong Chang Inc., 525 Dangjung-Dong Guapo, Kyongki-Do, North Korea

159.015/781/0 Type III, MODEL KST-1, 50 L tank, for uninspected vessels.

Marsh Engineering, Ltd., Plant #3, Lake Erie Industrial Park, Nanticoke, Ontario, Canada N0A 1L0

159.015/7301/0 Type II, Model CABOS 45, 45 persons capacity, for uninspected vessels.
 159.015/7302/0 Type II, Model CABOS 30, 1083 GPD capacity, for uninspected vessels.

Microphor Inc., 452 East Hill Road, P.O. Box 1460, Willits, CA 95490

159.015/2501/0 Type II, Model M-8, 2 persons capacity, for inspected vessels.
 159.015/2502/0 Type II, Model M-10, 3 persons capacity, for inspected vessels.
 159.015/2503/0 Type II, Model M-12, 3 persons capacity, for inspected vessels.
 159.015/2504/0 Type II, Model M-14, 4 persons capacity, for inspected vessels.
 159.015/2505/0 Type II, Model M-50, 25 GPD capacity, for inspected vessels.
 159.015/2506/0 Type II, Model M-100, 50 GPD capacity, for inspected vessels.
 159.015/2507/0 Type II, Model M-150, 75 GPD capacity, for inspected vessels.
 159.015/2508/0 Type II, Model M-200, 100 GPD capacity, for inspected vessels.
 159.015/2509/0 Type II, Model M-300, 150 GPD capacity, for inspected vessels.
 159.015/2510/0 Type II, Model M-500, 250 GPD capacity, for inspected vessels.
 159.015/2511/0 Type II, Model MC-50, 125 GPD capacity, for inspected vessels.
 159.015/2512/0 Type II, Model MC-100, 250 GPD capacity, for inspected vessels.
 159.015/2513/0 Type II, Model MC-150, 375 GPD capacity, for inspected vessels.
 159.015/2514/0 Type II, Model MC-200, 500 GPD capacity, for inspected vessels.
 159.015/2515/0 Type II, Model MC-300, 750 GPD capacity, for inspected vessels.

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- 159.015/2516/0 Type II, Model MC-500, 1250 GPD capacity, for inspected vessels.
 159.015/2517/0 Type II, Model M-600, 300 GPD capacity, for inspected vessels.
 159.015/2518/0 Type II, Model MC-600, 1500 GPD capacity, for inspected vessels.
 159.015/2519/0 Type II, Model M-800, 400 GPD capacity, for inspected vessels.
 159.015/2520/0 Type II, Model MC-800, 2000 GPD capacity, for inspected vessels.
 159.015/2521/0 Type II, Model M-1000, 500 GPD capacity, for inspected vessels.
 159.015/2522/0 Type II, Model MC-1000, 2500 GPD capacity, for inspected vessels.
 159.015/2523/0 Type II, Model M-30, 15 GPD capacity, for inspected vessels.
 159.015/2524/0 Type II, Model M-40, 20 GPD capacity, for inspected vessels.

Misuzu Machinery Engineering Ltd., 2-22, 5-Chome, Sakaemachi-Dori, Chuo-Ku, Kobe, Japan
 159.015/3301/0 Type III, Model MK IV RECIRC, 1800 GPD capacity, for uninspected vessels.
 159.015/3302/0 Type II, Model MK IV Flow-thru, 1800 GPD capacity, for uninspected vessels.

Monogram Sanitation (A Nortek Company), 4030 Freeman Blvd., Redondo Beach, CA 90278
 159.015/206/0 Type III, Model Newmatic II, 80 uses capacity, for uninspected vessels.

Nissin Refrigeration & Eng., 12-30 Mikunihonmachi, Yodogawa-Ku, Osaka, Japan
 159.015/5101/0 Type II, Model NST-30, 530 GPD capacity, for inspected vessels.
 159.015/5102/0 Type II, Model NST-40, 705 GPD capacity, for inspected vessels.
 159.015/5103/0 Type II, Model NST-50, 875 GPD capacity, for inspected vessels.
 159.015/5104/0 Type II, Model NST-60, 1060 GPD capacity, for inspected vessels.
 159.015/5105/0 Type II, Model NST-70, 1235 GPD capacity, for inspected vessels.
 159.015/5106/0 Type II, Model NST-80, 1235 GPD capacity, for inspected vessels.
 159.015/5107/0 Type II, Model NST-90, 1590 GPD capacity, for inspected vessels.
 159.015/5108/0 Type II, Model NST-100, 1765 GPD capacity, for inspected vessels.
 159.015/5109/0 Type II, Model NST-125, 2200 GPD capacity, for uninspected vessels.
 159.015/5110/0 Type II, Model NST-150, 2652 GPD capacity, for uninspected vessels.
 159.015/5111/0 Type II, Model NST-20, 20 persons capacity, for uninspected vessels.
 159.015/5112/0 Type II, Model NST-300, 300 persons capacity, for uninspected vessels.
 159.015/5113/0 Type II, Model NST-400, 400 persons capacity, for uninspected vessels.
 159.015/5114/0 Type II, Model NST-500, 500 persons capacity, for uninspected vessels.
 159.015/5115/0 Type II, Model NST-650, 650 persons capacity, for uninspected vessels.
 159.015/5116/0 Type II, Model NST-750, 750 persons capacity, for uninspected vessels.
 159.015/5117/0 Type II, Model NST-20H, 353 GPD capacity, for uninspected vessels.
 159.015/5118/0 Type II, Model NST-30H, 530 GPD capacity, for uninspected vessels.
 159.015/5119/0 Type II, Model NST-40H, 705 GPD capacity, for uninspected vessels.
 159.015/5120/0 Type II, Model NST-25H, 441 GPD capacity, for uninspected vessels.

NKK Corporation (formerly Nippon Kokan K.K.), 1-1-2 Marunouchi, Chiyada-Ku, Tokyo 100, Japan
 159.015/6601/0 Type II, Model NKK-25D, 25 persons capacity, for uninspected vessels.
 159.015/6602/0 Type II, Model NKK-45D, 45 persons capacity, for uninspected vessels.

Owens Mfg. & Specialty Co., P.O. Box 2443, Lafayette, LA 70502
 159.015/3801/0 Type II, Model Kleen Tank 1-13, 625 GPD capacity, for inspected vessels.
 159.015/3802/0 Type II, Model Kleen Tank 14-26, 1100 GPD capacity, for inspected vessels.
 159.015/3803/0 Type II, Model Kleen Tank 27-49, 2000 GPD capacity, for inspected vessels.
 159.015/3804/0 Type II, Model Kleen Tank 50-94, 4000 GPD capacity, for inspected vessels.
 159.015/3805/0 Type II, Model Sm Boat Unit A, 33 GPD capacity, for inspected vessels.
 159.015/3806/0 Type II, Model Sm Boat Unit B, 76 GPD capacity, for inspected vessels.
 159.015/3807/0 Type II, Model Sm Boat Unit C, 126 GPD capacity, for inspected vessels.
 159.015/3808/0 Type II, Model Sm Boat Unit D, 182 GPD capacity, for inspected vessels.
 159.015/3809/0 Type II, Model Sm Boat Unit E, 240 GPD capacity, for inspected vessels.
 159.015/3810/0 Type II, Model Sm Boat Unit F, 360 GPD capacity, for inspected vessels.

EQUIPMENT LISTS

Parmatic Pollution Control Corp. (formerly Sigma Treatment Systems), 88 Ford Road, Denville, NJ 07834-1634

- 159.015/4606/0 Type II, Model STS-II, 75 GPM capacity, for inspected vessels.
- 159.015/4609/0 Type I, Model STS-IP, limited to M/V ROTTERDAM.
- 159.015/4613/0 Type II, Model BIO STS 1000, 1000 GPD capacity, for inspected vessels.
- 159.015/4614/0 Type II, Model BIO STS 500, 500 GPD capacity, for inspected vessels.
- 159.015/4615/0 Type II, Model BIO STS 1500, 1500 GPD capacity, for inspected vessels.
- 159.015/4621/0 Type II, Model DC BIO-STS, 1000 GPD capacity, for inspected vessels.
- 159.015/4622/0 Type II, Model DC BIO-STS, 1500 GPD capacity, for inspected vessels.
- 159.015/4623/0 Type II, Model DC STS-II (C/D), 7.5 GPM capacity, for inspected vessels.
- 159.015/4624/0 Type II, Model DC BIO-STS-500, 500 GPD capacity for inspected vessels.
- 159.015/4625/0 Type II, Model STS-II (A/D), limited to M/V POLAR ARGENTINA.
- 159.015/4644/0 Type II, Model STS II A/D, 22,050 LPD capacity, for inspected vessels.

Paul Pleiger Maschinenfabrik, Postfach 3263, 5810 Witten 3 (Herbede), Federal Republic of Germany

- 159.015/281/0 Type I, Model BIOMAT, 581 GPD capacity, for uninspected vessels.
- 159.015/282/0 Type II, Model BIOMAT BS-15, for uninspected vessels.
- 159.015/283/0 Type II, Model BIOMAT BS-20, for uninspected vessels.
- 159.015/284/0 Type II, Model BIOMAT BS-25, for uninspected vessels.

Pollution Control Eng., SRL, Via Brugnato 11, 19026 La Spezia, Italy

- 159.015/9801/0 Type II, Model BIODISK FVN 30, 1057 GPD capacity, for uninspected vessels.
- 159.015/9802/0 Type II, Model BIODISK FVN 60, 2104 GPD capacity, for uninspected vessels.
- 159.015/9803/0 Type II, Model BIODISK FVN 100, 3962 GPD capacity, for uninspected vessels.
- 159.015/9804/0 Type II, Model BIODISK FVN 200, 7925 GPD capacity, for uninspected vessels.
- 159.015/9805/0 Type II, Model BIODISK FVN 300, 11887 GPD capacity, for uninspected vessels.

Pomorskie Zakłady Urządzeń, Okretowych, Grudziądz, Poland

- 159.015/5001/0 Type II, Model LK-30, 30 persons capacity, for uninspected vessels.
- 159.015/5002/0 Type II, Model LK-50, 50 persons capacity, for uninspected vessels.
- 159.015/5003/0 Type II, Model LK-100, 100 persons capacity, for uninspected vessels.
- 159.015/5004/0 Type II, Model LK-200, 200 persons capacity, for uninspected vessels.
- 159.015/5005/0 Type II, Model LK-320, 300 persons capacity, for uninspected vessels.

Raritan Engineering Co., Inc. (formerly Diamond Shamrock), 530 Orange St., P.O. Box 1157, Millville, NJ 08332

- 159.015/103/0 Type I, Model Lectra/San LST12, 4 persons capacity, for uninspected vessels.
- 159.015/104/0 Type I, Model Lectra/San LST24, 4 persons capacity, for uninspected vessels.
- 159.015/105/0 Type I, Model Lectra/San LST32, 4 persons capacity, for uninspected vessels.
- 159.015/106/0 Type I, Models PURASAN PST 12V, PST 24V and PST 32V, 576 GPD capacity, for uninspected vessels.

REC Inc., P.O. Box 447, Greenville, MS 38702-0447

- 159.015/9101/0 Type III, Model Crounse Type III, 540 GPD capacity, for uninspected vessels.

Red Fox Environmental Services, Inc. (Alt. mfg. site in Spain), P.O. Box 53809, Lafayette, LA 70505-3809

- 159.015/601/0 Type II, Model RF-100-M, 100 GPD capacity, for inspected vessels.
- 159.015/602/0 Type II, Model RF-200-M, 200 GPD capacity, for inspected vessels.
- 159.015/603/0 Type II, Model RF-350-M, 350 GPD capacity, for inspected vessels.
- 159.015/604/0 Type II, Model RF-500-M, 500 GPD capacity, for inspected vessels.
- 159.015/605/0 Type II, Model RF-750-M, 750 GPD capacity, for inspected vessels.
- 159.015/606/0 Type II, Model RF-1000-M, 1000 GPD capacity, for inspected vessels.
- 159.015/607/0 Type II, Model RF-1500-M, 1500 GPD capacity, for inspected vessels.
- 159.015/608/0 Type II, Model RF-2000-M, 2000 GPD capacity, for inspected vessels.

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- 159.015/609/0 Type II, Model RF-2500-M, 2500 GPD capacity, for inspected vessels.
 159.015/610/0 Type II, Model RF-3000-M, 3000 GPD capacity, for inspected vessels.
 159.015/611/0 Type II, Model RF-3500-M, 3500 GPD capacity, for inspected vessels.
 159.015/612/0 Type II, Model RF-4000-M, 4000 GPD capacity, for inspected vessels.
 159.015/613/0 Type II, Model RF-4500-M, 4500 GPD capacity, for inspected vessels.
 159.015/614/0 Type II, Model RF-5000-M, 5000 GPD capacity, for inspected vessels.
 159.015/615/0 Type II, Model RF-5500-M, 5500 GPD capacity, for inspected vessels.
 159.015/616/0 Type II, Model RF-6000-M, 6000 GPD capacity, for inspected vessels.
 159.015/617/0 Type II, Model RF-6500-M, 6500 GPD capacity, for inspected vessels.
 159.015/618/0 Type II, Model RF-7000-M, 7000 GPD capacity, for inspected vessels.
 159.015/619/0 Type II, Model RF-7500-M, 7500 GPD capacity, for inspected vessels.
 159.015/620/0 Type II, Model RF-8000-M, 8000 GPD capacity, for inspected vessels.
 159.015/621/0 Type II, Model RF-8500-M, 8500 GPD capacity, for inspected vessels.
 159.015/622/0 Type II, Model RF-9000-M, 9000 GPD capacity, for inspected vessels.
 159.015/623/0 Type II, Model RF-100-M/MOD, 100 GPD capacity, for uninspected vessels.
 159.015/624/0 Type II, Model RF-200-M/MOD, 200 GPD capacity, for uninspected vessels.
 159.015/625/0 Type II, Model RF-350-M/MOD, 350 GPD capacity, for uninspected vessels.
 159.015/626/0 Type II, Model RF-500-M/MOD, 500 GPD capacity, for uninspected vessels.
 159.015/627/0 Type II, Model RF-750-M/MOD, 750 GPD capacity, for uninspected vessels.
 159.015/628/0 Type II, Model RF-1000-M/MOD, 1000 GPD capacity, for uninspected vessels.
 159.015/629/0 Type II, Model RF-1500-M/MOD, 1500 GPD capacity, for uninspected vessels.
 159.015/630/0 Type II, Model RF-2000-M/MOD, 2000 GPD capacity, for uninspected vessels.
 159.015/631/0 Type II, Model RF-2500-M/MOD, 2500 GPD capacity, for uninspected vessels.
 159.015/632/0 Type II, Model RF-3000-M/MOD, 3000 GPD capacity, for uninspected vessels.
 159.015/633/0 Type II, Model RF-350-M/S/MOD, 350 GPD capacity, for uninspected vessels.
 159.015/634/0 Type II, Model RF-500-M/S/MOD, 500 GPD capacity, for uninspected vessels.
 159.015/635/0 Type II, Model RF-750-M/S/MOD, 750 GPD capacity, for uninspected vessels.
 159.015/636/0 Type II, Model RF-1000-M/S/MOD, 1000 GPD capacity, for uninspected vessels.
 159.015/637/0 Type II, Model RF-1500-M/S/MOD, 1500 GPD capacity, for uninspected vessels.
 159.015/638/0 Type II, Model RF-2000-M/S/MOD, 2000 GPD capacity, for uninspected vessels.
 159.015/639/0 Type II, Model RF-2500-M/S/MOD, 2500 GPD capacity, for uninspected vessels.
 159.015/640/0 Type II, Model RF-3000-M/S/MOD, 3000 GPD capacity, for uninspected vessels.
 159.015/642/0 Type II, Model RF-750-C, 750 GPD cap. ltd. to art. islands and fixed struc. on the OCS. Former certification no. 159.15/1006/42/II.
 159.015/643/0 Type II, Model RF-1000-C, 1000 GPD cap. ltd. to art. islands and fixed struc. on the OCS. Former certification no. 159.15/1006/43/II.
 159.015/644/0 Type II, Model RF-1500-C, 1500 GPD cap. ltd. to art. islands and fixed struc. on the OCS. Former certification no. 159.15/1006/44/II.
 159.015/645/0 Type II, Model RF-2000-C, 2000 GPD cap. ltd. to art. islands and fixed struc. on the OCS. Former certification no. 159.15/1006/45/II.
 159.015/646/0 Type II, Model RF-2500-C, 2500 GPD cap. ltd. to art. islands and fixed struc. on the OCS. Former certification no. 159.15/1006/46/II.
 159.015/647/0 Type II, Model RF-3000-C, 3000 GPD cap. ltd. to art. islands and fixed struc. on the OCS. Former certification no. 159.15/1006/47/II.
 159.015/648/0 Type II, Model RF-200-C, 200 GPD cap. ltd. to art. islands and fixed struc. on the OCS. Former certification no. 159.15/1006/48/II.
 159.015/649/0 Type II, Model RF-3500-C, 3500 GPD cap. ltd. to art. islands and fixed struc. on the OCS. Former certification no. 159.15/1006/49/II.
 159.015/650/0 Type II, Model RF-4000-C, 4000 GPD cap. ltd. to art. islands and fixed struc. on the OCS. Former certification no. 159.15/1006/50/II.
 159.015/651/0 Type II, Model RF-4500-C, 4500 GPD cap. ltd. to art. islands and fixed struc. on the OCS. Former certification no. 159.15/1006/51/II.
 159.015/652/0 Type II, Model RF-5000-C, 5000 GPD cap. ltd. to art. islands and fixed struc. on the OCS.

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Former certification no. 159.15/1006/52/II.
 159.015/653/0 Type II, Model RF-5500-C, 5500 GPD cap, ltd. to art. islands and fixed struc. on the OCS.
 Former certification no. 159.15/1006/53/II.
 159.015/654/0 Type II, Model RF-6000-C, 6000 GPD cap, ltd. to art. islands and fixed struc. on the OCS.
 Former certification no. 159.15/1006/54/II.
 159.015/655/0 Type II, Model RF-6500-C, 6500 GPD cap, ltd. to art. islands and fixed struc. on the OCS.
 Former certification no. 159.15/1006/55/II.
 159.015/656/0 Type II, Model RF-7000-C, 7000 GPD cap, ltd. to art. islands and fixed struc. on the OCS.
 Former certification no. 159.15/1006/56/II.
 159.015/657/0 Type II, Model RF-7500-C, 7500 GPD cap, ltd. to art. islands and fixed struc. on the OCS.
 Former certification no. 159.15/1006/57/II.
 159.015/658/0 Type II, Model RF-9000-C, 9000 GPD cap, ltd. to art. islands and fixed struc. on the OCS.
 Former certification no. 159.15/1006/58/II.
 159.015/659/0 Type II, Model Little Fox, 200 GPD capacity.
 159.015/660/0 Type II, Model RF-350-C, 350 GPD cap, ltd. to art. islands and fixed struc. on the OCS. Former certification no. 159.15/1006/60/II.
 159.015/661/0 Type II, Model RF-500-C, 500 GPD cap, ltd. to art. islands and fixed struc. on the OCS. Former certification no. 159.15/1006/61/II.
 159.015/662/0 Type II, Model Fox Pac FP50, 50 GPD capacity, for inspected vessels.
 159.015/663/0 Type II, Model Fox Pac FP200, 200 GPD capacity, for inspected vessels.
 159.015/664/0 Type II, Model Fox Pac FP500, 500 GPD capacity, for inspected vessels.
 159.015/665/0 Type II, Model Fox Pac FP1000, 1000 GPD capacity, for inspected vessels.
 159.015/666/0 Type II, Model Fox Pac FP1500, 1500 GPD capacity, for inspected vessels.
 159.015/667/0 Type II, Model Fox Pac FP2500, 2500 GPD capacity, for inspected vessels.

Research Products Blankenship, 2639 Andjon St., Dallas, TX 75220
 159.015/2701/0 Type III, Model Incinolet TR/WB3, 8 persons capacity, for inspected vessels. Former certification no. 159.15/1027/1/III.

Sasakura Engineering, 7-32 Takeshima 4-Chome, Nishiyodogawa-Ku, Osaka, Japan
 159.015/3501/0 Type II, Model ST-2 & ST-2A, 360 GPD capacity, for uninspected vessels.
 159.015/3502/0 Type II, Model ST-4 & ST-4A, 720 GPD capacity, for uninspected vessels.
 159.015/3503/0 Type II, Model ST-6 & ST-6A, 1080 GPD capacity, for inspected vessels.
 159.015/3504/0 Type II, Model ST-8, 1440 GPD capacity, for inspected vessels.
 159.015/3505/0 Type II, Model ST-10, 1800 GPD capacity, for inspected vessels.
 159.015/3506/0 Type II, Model ST-15, 2700 GPD capacity, for inspected vessels.
 159.015/3507/0 Type II, Model ST-20, 3600 GPD capacity, for inspected vessels.
 159.015/3508/0 Type II, Model T-10, 180 GPD capacity, for uninspected vessels.
 159.015/3509/0 Type II, Model T-20, 360 GPD capacity, for uninspected vessels.
 159.015/3510/0 Type II, Model T-30, 540 GPD capacity, for uninspected vessels.
 159.015/3511/0 Type II, Model T-40, 720 GPD capacity, for uninspected vessels.
 159.015/3512/0 Type II, Model T-50, 900 GPD capacity, for uninspected vessels.
 159.015/3513/0 Type II, Model T-60, 1080 GPD capacity, for uninspected vessels.
 159.015/3514/0 Type II, Model T-75, 1350 GPD capacity, for uninspected vessels.
 159.015/3515/0 Type II, Model T-100, 1800 GPD capacity, for uninspected vessels.
 159.015/3516/0 Type II, Model RT-20, 360 GPD capacity, for uninspected vessels.
 159.015/3517/0 Type II, Model RT-40, 720 GPD capacity, for uninspected vessels.
 159.015/3518/0 Type II, Model RT-60, 1080 GPD capacity, for uninspected vessels.
 159.015/3519/0 Type II, Model RT-80, 1440 GPD capacity, for uninspected vessels.
 159.015/3520/0 Type II, Model ST-25, 4500 GPD capacity, for uninspected vessels.
 159.015/3521/0 Type II, Model ST-30, 5400 GPD capacity, for uninspected vessels.
 159.015/3522/0 Type III, Model ST-2R, 20 persons capacity, for uninspected vessels.
 159.015/3523/0 Type III, Model ST-4R, 40 persons capacity, for uninspected vessels.

- 159.015/3524/0 Type III, Model ST-6R, 60 persons capacity, for uninspected vessels.
 159.015/3525/0 Type III, Model ST-8R, 80 persons capacity, for uninspected vessels.
 159.015/3526/0 Type III, Model ST-10R, 700 persons capacity, for uninspected vessels.
 159.015/3527/0 Type III, Model T-10 recirc, 180 GPD capacity, for uninspected vessels.
 159.015/3528/0 Type III, Model T-20 recirc, 360 GPD capacity, for uninspected vessels.
 159.015/3529/0 Type III, Model T-30 recirc, 540 GPD capacity, for uninspected vessels.
 159.015/3530/0 Type III, Model T-40 recirc, 720 GPD capacity, for uninspected vessels.
 159.015/3531/0 Type III, Model T-50 recirc, 900 GPD capacity, for uninspected vessels.
 159.015/3532/0 Type III, Model T-60 recirc, 1080 GPD capacity, for uninspected vessels.
 159.015/3533/0 Type III, Model T-75 recirc, 1350 GPD capacity, for uninspected vessels.
 159.015/3534/0 Type III, Model T-100 recirc, 1800 GPD capacity, for uninspected vessels.
 159.015/3535/0 Type II, Model ST-2N, 0360 GPD capacity, for uninspected vessels.
 159.015/3536/0 Type II, Model ST-4N, 720 GPD capacity, for uninspected vessels.
 159.015/3537/0 Type II, Model ST-6N, 1080 GPD capacity, for inspected vessels.
 159.015/3538/0 Type II, Model ST-8N, 1440 GPD capacity, for inspected vessels.
 159.015/3539/0 Type II, Model ST-10N, 1800 GPD capacity, for inspected vessels.
 159.015/3540/0 Type II, Model ST-15N, 2700 GPD capacity, for inspected vessels.
 159.015/3541/0 Type II, Model ST-20N, 3600 GPD capacity, for inspected vessels.
 159.015/3542/0 Type II, Model ST-25N, 4500 GPD capacity, for uninspected vessels.
 159.015/3543/0 Type II, Model ST-30N, 5400 GPD capacity, for uninspected vessels.
 159.015/3544/0 Type II, Model ST-2A, 1360 LPD capacity, for uninspected vessels.
 159.015/3545/0 Type II, Model ST-3A, 2310 LPD capacity, for uninspected vessels.
 159.015/3546/0 Type II, Model ST-4A, 2725 LPD capacity, for uninspected vessels.
 159.015/3547/0 Type II, Model ST-6A, 4088 LPD capacity, for uninspected vessels.
 159.015/3548/0 Type II, Model ST-2AN, 1360 LPD capacity, for uninspected vessels.
 159.015/3549/0 Type II, Model ST-3AN, 2310 LPD capacity, for uninspected vessels.
 159.015/3550/0 Type II, Model ST-4AN, 2725 LPD capacity, for uninspected vessels.
 159.015/3551/0 Type II, Model ST-6AN, 4088 LPD capacity, for uninspected vessels.
- Sealand Technology Inc., Fourth Street, P.O. Box 38, Big Prairie, OH 44611
 159.015/1402/0 Type III, Model 400 Series, 12 - 42 gallon capacity, for inspected vessels.
 159.015/1404/0 Type III, Model 911-M28, 8.25 gallon capacity, for inspected vessels.
 159.015/1406/0 Type III, Model 800 Series, any size, for inspected vessels.
 159.015/1411/0 Type I, Model SanX One, 480 GPD capacity, for inspected vessels.
- Taiko Kikai Industrial Co., Ltd., 209 Shimotabuse, Tabuse-Cho, Kumage-Gun, Yamaguchi Prefecture 742-15, Japan
 159.015/3201/0 Type II, Model AP-2 Ship Clean, 1200 LPD capacity, for uninspected vessels.
 159.015/3202/0 Type II, Model AP-3 Ship Clean, 1800 LPD capacity, for uninspected vessels.
 159.015/3203/0 Type II, Model AP-4 Ship Clean, 2400 LPD capacity, for uninspected vessels.
 159.015/3204/0 Type II, Model AP-5 Ship Clean, 3000 LPD capacity, for uninspected vessels.
 159.015/3205/0 Type II, Model AP-6 Ship Clean, 4500 LPD capacity, for uninspected vessels.
 159.015/3206/0 Type III, Model CT-1000 recirc, 1000 L tank, limited to use with AP series MSD. Former certification no. 159.15/1032/6/III.
 159.015/3207/0 Type III, Model CT-2000 recirc, 2000 L tank capacity, limited to use with AP series MSD. certification no. 159.15/1032/7/III.
 159.015/3208/0 Type III, Model CT-3000 recirc, 3000 L tank capacity, limited to use with AP series MSD. certification no. 159.15/1032/8/III.
 159.015/3209/0 Type III, Model CT-4000 recirc, 4000 L tank capacity, limited to use with AP series MSD. certification no. 159.15/1032/9/III.
 159.015/3210/0 Type III, Model CT-5000 recirc, 5000 L tank capacity, limited to use with AP series MSD. certification no. 159.15/1032/10/III.
 159.015/3211/0 Type III, Model CT-6000 recirc, 6000 L tank capacity, limited to use with AP series MSD.

Former certification no. 159.15/1032/11/III.
 159.015/3212/0 Type III, Model CT-7000 recirc, 7000 L tank capacity, limited to use with AP series MSD.
 Former certification no. 159.15/1032/12/III.
 159.015/3213/0 Type III, Model CT-8000 recirc, 8000 L tank capacity, limited to use with AP series MSD.
 Former certification no. 159.15/1032/13/III.
 159.015/3214/0 Type III, Model CT-9000 recirc, 9000 L tank capacity, limited to use with AP series MSD.
 Former certification no. 159.15/1032/14/III.
 159.015/3215/0 Type III, Model CT-10000 recirc, 10000 L tank capacity, limited to use with AP series MSD.
 Former certification no. 159.15/1032/15/III.
 159.015/3216/0 Type II, Model BFT-40, 100 liters/hr. capacity, for uninspected vessels.
 159.015/3217/0 Type III, Model CS-1000 recirc. sys., 1000 l tank cap, ltd to use with BFT-40 MSD. Former certification no. 159.15/1032/17/III.
 159.015/3218/0 Type III, Model CS-2000 recirc. sys., 2000 l tank cap, ltd to use with BFT-40 MSD. Former certification no. 159.15/1032/18/III.
 159.015/3219/0 Type III, Model CS-3000 recirc. sys., 3000 l tank cap, ltd to use with BFT-40 MSD. Former certification no. 159.15/1032/19/III.
 159.015/3220/0 Type III, Model CS-4000 recirc. sys., 4000 l tank cap, ltd to use with BFT-40 MSD. Former certification no. 159.15/1032/20/III.
 159.015/3221/0 Type III, Model CS-5000 recirc. sys., 5000 l tank cap, ltd to use with BFT-40 MSD. Former certification no. 159.15/1032/21/III.
 159.015/3222/0 Type III, Model CS-6000 recirc. sys., 6000 l tank cap, ltd to use with BFT-40 MSD. Former certification no. 159.15/1032/22/III.
 159.015/3223/0 Type III, Model CS-7000 recirc. sys., 7000 l tank cap, ltd to use with BFT-40 MSD. Former certification no. 159.15/1032/23/III.
 159.015/3224/0 Type III, Model CS-8000 recirc. sys., 8000 l tank cap, ltd to use with BFT-40 MSD. Former certification no. 159.15/1032/24/III.
 159.015/3225/0 Type III, Model CS-9000 recirc. sys., 9000 l tank cap, ltd to use with BFT-40 MSD. Former certification no. 159.15/1032/25/III.
 159.015/3226/0 Type III, Model CS-10000 recirc. sys., 10,000 l tank cap, ltd to use with BFT-40 MSD. Former certification no. 159.15/1032/26/III.
 159.015/3227/0 Type II, Model AP-7 Ship Clean, 6000 LPD tank capacity, for uninspected vessels. Former certification no. 159.15/1032/27/II.
 159.015/3228/0 Type II, Model SBT-15, 900 LPD capacity, for uninspected vessels.
 159.015/3229/0 Type II, Model SBT-25, 1500 LPD capacity, for uninspected vessels.
 159.015/3230/0 Type II, Model SBT-40, 2400 LPD capacity, for uninspected vessels.
 159.015/3231/0 Type II, Model SBT-65, 3900 LPD capacity, for uninspected vessels.
 159.015/3232/0 Type III, Model CU-1000 recirc, 1000 L tank capacity, limited to use with SBT series MSD.
 Former certification no. 159.15/1032/32/III.
 159.015/3233/0 Type III, Model CU-2000 recirc, 2000 L tank capacity, limited to use with SBT series MSD. Former certification no. 159.15/1032/33/III.
 159.015/3234/0 Type III, Model CU-3000 recirc, 3000 L tank capacity, limited to use with SBT series MSD. Former certification no. 159.15/1032/34/III.
 159.015/3235/0 Type III, Model CU-4000 recirc, 4000 L tank capacity, limited to use with SBT series MSD. Former certification no. 159.15/1032/35/III.
 159.015/3236/0 Type III, Model CU-5000 recirc, 5000 L tank capacity, limited to use with SBT series MSD. Former certification no. 159.15/1032/36/III.
 159.015/3237/0 Type III, Model CU-6000 recirc, 6000 L tank capacity, limited to use with SBT series MSD. Former certification no. 159.15/1032/37/III.
 159.015/3238/0 Type III, Model CU-7000 recirc, 7000 L tank capacity, limited to use with SBT series MSD. Former certification no. 159.15/1032/38/III.
 159.015/3239/0 Type III, Model CU-8000 recirc, 8000 L tank capacity, limited to use with SBT series MSD. Former certification no. 159.15/1032/39/III.
 159.015/3240/0 Type III, Model CU-9000 recirc, 9000 L tank capacity, limited to use with SBT series MSD.

MARINE SANITATION DEVICES

Former certification no. 159.15/1032/40/III.

159.015/3241/0 Type III, Model CU-10000 recirc, 10000 L tank capacity, limited to use with SBT series MSD.

Former certification no. 159.15/1032/41/III.

159.015/3242/0 Type II, Model SBT-120, 7200 LPD capacity, for uninspected vessels.

159.015/3243/0 Model SBT-150 9000 LPD, for uninspected vessels.

Tai Xing Ship's Gear Works, Tai Xing County, Jiangsu Province, Peoples Republic Of China 225442

159.015/82/0 Type II, Model WCB-20, 1,540 LPD capacity, for uninspected vessels.

159.015/881/0 Type II, Model WCB-10, 840 LPD capacity, for uninspected vessels.

159.015/882/0 Type II, Model WCB-20, 1,540 LPD capacity, for uninspected vessels.

159.015/883/0 Type II, Model WCB-30, 2,240 LPD capacity, for uninspected vessels.

159.015/884/0 Type II, Model WCB-40, 3,080 LPD capacity, for uninspected vessels.

159.015/885/0 Type II, Model WCB-50, 3,780 LPD capacity, for uninspected vessels.

159.015/886/0 Type II, Model WCB-60, 4,480 LPD capacity, for uninspected vessels.

159.015/887/0 Type II, Model WCB-80, 5,880 LPD capacity, for uninspected vessels.

159.015/888/0 Type II, Model WCB-100(S), 7,420 LPD capacity, for uninspected vessels.

159.015/889/0 Type II, Model WCB-150(S), 10,920 LPD capacity, for uninspected vessels.

159.015/890/0 Type II, Model WCB-200(S), 14,700 LPD capacity, for uninspected vessels.

159.015/891/0 Type II, Model WCB-250(S), 18,200 LPD capacity, for uninspected vessels.

159.015/892/0 Type II, Model WCB-300(S), 21,700 LPD capacity, for uninspected vessels.

Takuma Co. Ltd., 16 Dojima Naka 1-Chome, Kita-Ku, Osaka, Japan

159.015/3601/0 Type III, Model Aqua-Sans A, 20 persons capacity, for uninspected vessels.

159.015/3602/0 Type III, Model Aqua-Sans AB-1, 30 persons capacity, for uninspected vessels.

159.015/3603/0 Type III, Model Aqua-Sans AB-2, 60 persons capacity, for uninspected vessels.

159.015/3604/0 Type III, Model Aqua-Sans B, 145 persons capacity, for uninspected vessels.

Thetford Corporation, P.O. Box 1285, Ann Arbor, MI 48106

159.015/1804/0 Type III, Model Electra Magic, 50 flushes capacity, for inspected vessels.

Wasserbehandlung Merseburg GmbH (Formerly VEB Abwasserbehandlungsanlagen Merseburg), Amtshauer 23-29, 4200 Merseburg, Federal Republic of Germany

159.015/9501/0 Type II, Model KA-MR 1.5 S 50 B, 4.25 CMPD capacity, for uninspected vessels. Former certification no. 159.15/1095/1/II.

159.015/9502/0 Type II, Model KA-MR 1.5 S 50 C, 5.0 CMPD capacity, for uninspected vessels. Former certification no. 159.15/1095/2/II.

159.015/9503/0 Type II, Model KA-MR 1.5 S 50-1/E, 2.0 CMPD capacity, for uninspected vessels.

Weir Pumps Ltd., Cathcart Works, Glasgow, Scotland G44 4EX, United Kingdom

159.015/5701/0 Type II, Model Biomac 1, 312 GPD capacity, for uninspected vessels.

159.015/5702/0 Type II, Model Biomac 2, 600 GPD capacity, for uninspected vessels.

159.015/5703/0 Type II, Model Biomac 3, 912 GPD capacity, for uninspected vessels.

159.015/5704/0 Type II, Model ThermoBiomac 3T, 912 GPD capacity, for uninspected vessels.

159.015/5705/0 Type II, Model Biomac 4, 1200 GPD capacity, for uninspected vessels.

159.015/5706/0 Type II, Model ThermoBiomac 4T, 1200 GPD capacity, for uninspected vessels.

159.015/5707/0 Type II, Model Biomac 5, 1512 GPD capacity, for uninspected vessels.

159.015/5708/0 Type II, Model ThermoBiomac 5T, 1512 GPD capacity, for uninspected vessels.

159.015/5709/0 Type II, Model Biomac 6, 2256 GPD capacity, for uninspected vessels.

159.015/5710/0 Type II, Model ThermoBiomac 6T, 2256 GPD capacity, for uninspected vessels.

159.015/5711/0 Type II, Model Biomac 7, 3000 GPD capacity, for uninspected vessels.

159.015/5712/0 Type II, Model ThermoBiomac 7T, 3000 GPD capacity, for uninspected vessels.

159.015/5713/0 Type II, Model Biomac 8, 3744 GPD capacity, for uninspected vessels.

159.015/5714/0 Type II, Model ThermoBiomac 8T, 3744 GPD capacity, for uninspected vessels.

EQUIPMENT LISTS

159.015/5715/0 Type II, Model Biomac 9, 4512 GPD capacity, for uninspected vessels.
159.015/5716/0 Type II, Model ThermoBiomac 9T, 4512 GPD capacity, for uninspected vessels.
159.015/5717/0 Type II, Model Biomac 10, 6000 GPD capacity, for uninspected vessels.
159.015/5718/0 Type II, Model ThermoBiomac 10T, 6000 GPD capacity, for uninspected vessels.
159.015/5719/0 Type II, Model Biomac 11, 7512 GPD capacity, for uninspected vessels.
159.015/5720/0 Type II, Model ThermoBiomac 11T, 7512 GPD capacity, for uninspected vessels.
159.015/5721/0 Type II, Model Biomac 12, 9000 GPD capacity, for uninspected vessels.
159.015/5722/0 Type II, Model ThermoBiomac 12T, 9000 GPD capacity, for uninspected vessels.
159.015/5723/0 Type II, Model Biomac 13, 12000 GPD capacity, for uninspected vessels.
159.015/5724/0 Type II, Model ThermoBiomac 13T, 12000 GPD capacity, for uninspected vessels.
159.015/5725/0 Type II, Model Biomac 14, 15000 GPD capacity, for uninspected vessels.
159.015/5726/0 Type II, Model ThermoBiomac 14T, 15000 GPD capacity, for uninspected vessels.

Wilcox-Crittenden Div., Gulf & Western Corp., P.O. Box 1111, Middletown, CT 06457

159.015/402/0 Type III, Model 6013, 17 gal. capacity, for inspected vessels.
159.015/403/0 Type III, Model 6014, 25 gal. capacity, for inspected vessels.

LIFESAVING EQUIPMENT

160.002 LIFE PRESERVERS, KAPOK, ADULT AND CHILD (JACKET TYPE)

Approved for use on all commercial vessels and recreational boats.

Kent Sporting Goods Co., 433 Park Avenue South, State Route 60, New London, OH 44851

160.002/102/1 Model 3, Adult, "LIFE PRESERVER", Type I PFD.

160.002/103/1 Model 5, Child, "LIFE PRESERVER", Type I PFD.

160.002/128/0 Model 8810 or 3, Adult, Kapok "LIFE PRESERVER", Type I PFD.

160.002/129/0 Model 8800 or 5, Child, Kapok "LIFE PRESERVER", Type I PFD.

Safeguard Corp., P.O. Box 14037, Cincinnati, OH 45214

160.002/70/0 Type I Life Preserver, Adult, Model 190 or 190RT.

160.002/71/0 Type I Life Preserver, Child (under 90 lb), Model 191 or 191RT.

Sears, Roebuck and Co., Sears Tower, Dept. 606, Chicago, IL 60684

160.002/116/0 Model 3, adult kapok life preserver.

160.005 LIFE PRESERVERS, FIBROUS GLASS, ADULT AND CHILD (JACKET TYPE)

Approved for use on all commercial vessels and recreational boats.

Safeguard Corp., P.O. Box 14037, Cincinnati, OH 45214

160.005/13/0 Type I Life Preserver, Adult, Model 52.

160.005/14/0 Type I Life Preserver, Child (under 90 lb) Model 56.

160.006 CLEANING PROCESSES FOR LIFE PRESERVERS

No approvals at present.

160.010 BUOYANT APPARATUS

Cal-June Corporation, P.O. Box 9551, North Hollywood, CA 91609-1551

160.010/70/2 122cm x 122cm x 23cm (48" x 48" x 9") buoyant apparatus, 12-person capacity, box type.

Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.010/71/2 157cm x 122cm x 23cm (62" x 48" x 9") buoyant apparatus, 18-person capacity, box type.

Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.010/72/2 213cm x 122cm x 23cm (84" x 48" x 9") buoyant apparatus, 20-person capacity, box type.

Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.010/73/2 130cm x 94cm x 23cm (51" x 37" x 9") buoyant apparatus, 10-person capacity, rectangular type,

Model B series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.010/74/2 160cm x 94cm x 23cm (63" x 37" x 9") buoyant apparatus, 12-person capacity, rectangular type,

Model B series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.010/75/2 163cm x 122cm x 32cm (64" x 48" x 12 1/2") buoyant apparatus, 18-person capacity, rectangular

type, Model B series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.010/76/2 254cm x 122cm x 32cm (100" x 48" x 12 1/2") buoyant apparatus, 22-person capacity, rectangular type,

Model B series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.010/77/2 130cm x 94cm x 23cm (51" x 37" x 9") buoyant apparatus, 8-person capacity, rectangular type,

Model C series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.010/78/2 160cm x 94cm x 23cm (63" x 37" x 9") buoyant apparatus, 10-person capacity, rectangular type,

Model C series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.010/79/2 163cm x 122cm x 32cm (64" x 48" x 12 1/2") Buoyant apparatus, 15-person capacity, rectangular

type, Model C series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

EQUIPMENT LISTS

160.010/80/2 254cm x 122cm x 32cm (100" x 48" x 12 1/2") buoyant apparatus, 22-person capacity, rectangular type, Model C series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

Dunlop-Beaufort Canada Ltd., 12351 Bridgeport Rd., Richmond, British Columbia, Canada V6V 1J4

- 160.010/81/0 45-person capacity inflatable buoyant apparatus packed in a rigid FRP container.
- 160.010/86/0 10-person capacity inflatable buoyant apparatus packed in a rigid FRP container.
- 160.010/87/0 25-person capacity inflatable buoyant apparatus packed in a rigid FRP container.
- 160.010/88/0 50-person capacity inflatable buoyant apparatus packed in a rigid FRP container.

Plasti-Kraft Corporation, Ozona Industrial Park, Ozona, FL 33560

- 160.010/30/7 4.17' x 3.0' (8" x 8-1/2" body section), rectangular buoyant apparatus, 7 person capacity.
- 160.010/31/7 6.17' x 3.67' (10" x 9-1/4" body section), rectangular buoyant apparatus, 15 person capacity.

Rescue Ring, Inc., 227 NE Brumbaugh, Ilwaco, WA 78624

- 160.010/82/0 Model KRR-30, 30" O.D. x 16-3/4" I.D. x 8" thick, 3-person capacity.
- 160.010/83/0 Model KRR-26, 26" O.D. x 8" I.D. x 8" thick, 2-person capacity.
- 160.010/85/0 Model KRR-30A, 30" O.D. x 8" I.D., 4-person capacity.
- 160.010/91/0 Model "Mini-26" buoyant ring (26" o.d. x 8" i.d. x 5" thick), one person capacity, polyethylene shell with MIL-P-21929 class I foam core.

RFD Limited, RFD House, 11/13 Ockford Road, Godalming, Surrey, United Kingdom GU7 1QU

- 160.010/101/0 RFD Type "Ferryman 25", 25-person capacity inflatable buoyant apparatus, packed in a rigid FRP container.
- 160.010/102/0 RFD Type "Ferryman 50", 50-person capacity inflatable buoyant apparatus, packed in a rigid FRP container.

Seaco/Elliott, Inc., 3874 Fiscal Court, Riviera Beach, FL 33404

- 160.010/93/0 Inflatable buoyant apparatus, 8-person capacity.
- 160.010/94/0 Inflatable buoyant apparatus, 12-person capacity.
- 160.010/95/0 Inflatable buoyant apparatus, 20-person capacity.
- 160.010/96/1 Inflatable buoyant apparatus, 50-person capacity.

SMR Technologies, Inc., Engineered Rubber Products Division, P.O. Box 326, Sharon Center, OH 44272-0326

- 160.010/97/0 Four-person "Crewsaver" inflatable buoyant apparatus, packed in either a rectangular fiberglass container or a fabric valise.
- 160.010/98/0 Six-person "Crewsaver" inflatable buoyant apparatus, packed in either a rectangular fiberglass container or a fabric valise.
- 160.010/99/0 Eight-person "Crewsaver" inflatable buoyant apparatus, packed in either a rectangular fiberglass container or a fabric valise.

Switlik Parachute Co., Inc., 1325 East State St., P. O. Box 1328, Trenton, NJ 08607

- 160.010/100/0 Type IBA-6, six-person inflatable buoyant apparatus.

VIKING A/S Nordisk Gummibaadsfabrik, P.O. Box 3060, 6710 Esbjerg V, Denmark

- 160.010/84/0 Viking Type 45 RDV, 45 person capacity inflatable buoyant apparatus.
- 160.010/89/0 Viking Type 20 RDV, 20 person capacity inflatable buoyant apparatus.
- 160.010/92/0 Type 50 RDV inflatable buoyant apparatus, 50 person capacity.

160.011 GAS MASKS AND SELF-CONTAINED BREATHING APPARATUS

Gas masks and self-contained breathing apparatus are no longer approved under the 160.011 series. Instead, the various vessel regulations require carriage of NIOSH/MSHA approved self-contained breathing apparatus of the pressure-demand, open-circuit type. Certain devices previously approved under the 160.011 series may continue to be used as required equipment if they were part of a vessel's required equipment on November 23, 1992, subject to the conditions in the various vessel regulations.

LIFESAVING EQUIPMENT

160.013 HATCHETS (LIFEBOAT AND LIFERAFT)

Datrex, Inc., P.O. Box 1150, Kinder, LA 70648
160.013/7/0 Lifeboat hatchet.

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, NY
160.013/5/0 Hatchet, steel handle, Estwing Model E-3-24A, Type I, Class I, Design E, Style 2.
160.013/6/0 Hatchet, steel handle, Vaughn Model A 1 1/4, Type I, Class I, Design E, Style 2.
160.013/8/0 Hatchet with lanyard for lifeboats and liferafts.

160.014 COMPASSES, LIFEBOAT

C. Plath, P.O. Box 60 20 60, Gertigstrasse 48, 2000 Hamburg 60, Federal Republic Of Germany
160.014/8/0 MERKUR R 2631, Stock No. 73172 Magnetic Compass. Fitted with a rectangular verge ring and a compass card with 2 degree graduations.
160.014/9/0 MERKUR SF 4220, Stock No. 73318 Magnetic Compass. Fitted with a rectangular verge ring and a compass card with 5 degree graduations.
160.014/10/0 MERKUR S 4221, Stock No. 73319 Magnetic Compass. Fitted with a circular verge ring (144mm dia) and a compass card with 5 degree graduations.
160.014/11/0 MERKUR SRF 4221AA, Stock No. 73372 Magnetic Compass. Fitted with a circular verge ring (158mm dia) and compass card with 5 degree graduations.

John E. Hand & Sons Co., Beechwood Ave. & Birch St., Cherry Hill, NJ 08002
160.014/1/1 Type LMC-101D, compensating mariners liquid-filled magnetic lifeboat compass.

160.015 WINCHES, LIFEBOAT

*Approvals do not include approval of electrical components.
See approvals under 160.115 series also.*

Davit International GmbH, Berliner Strasse 73-75, Postfach 1566, W-2838 Sulingen, Federal Republic Of Germany
160.015/172/0 Type 12.17.03 lifeboat winch; maximum safe working load 5,635 kg (12,400 lb) at the drums using two-part falls.
160.015/173/0 Type 18.18.02 life/rescue boat winch; maximum safe working load 6,000 kg (13,200 lb) at the drums using two-part falls.
160.015/174/0 Type 04.17 series single-drum rescue boat winch; maximum safe working load 1330 kg at the drum.

Lake Shore, Inc., Marine Div., Iron Mountain, MI 49801
160.015/143/0 Model CW-100M lifeboat winch. Maximum working load 20,000 lb pull at the drums (10,000 lb per fall).

Schat-Davit Company GmbH, P.O. Box 60 24 69, Jarrestr. 42, 2000 Hamburg 60, Federal Republic Of Germany
160.015/157/0 Type BE 6.0 IMO i/D lifeboat winch, maximum working load of 6,118 kg (13,490 lb) pull at the drums (3,059 kg (6,745 lb) per fall).
160.015/169/0 Type BE4500/981 lifeboat or combined life- and rescue boat winch; maximum safe working load 4500 kg at the drums using two-part falls.

Schat Watercraft Inc. (formerly Watercraft America), 167 Bell Avenue, Oak Hill, FL 32759
160.015/94/0 Type 55G-MK II (5,500 lb per fall).
160.015/101/0 Type 75G (7,500 lb per fall).
160.015/103/0 Type 55GH-MK III (5,500 lb per fall).
160.015/110/0 Type 35G-MK III (3,750 lb per fall).
160.015/114/0 Type BE 9.1 (10,192 lb per fall).

- 160.015/118/1 Type 55G-MK IV (5,500 lb per fall).
 160.015/120/1 Type USW/ 7.4 (8,288 lb per fall).
 160.015/123/0 Type BE 6.0 (6,720 lb per fall).
 160.015/130/0 Type BE 7.3 winch; maximum working load 16,050 lb pull at the drums (8,025 lb per fall).
 160.015/146/0 Type BE 3.8 lifeboat winch. Maximum working load of 8,500 lb pull at the drums (4,250 lb per fall).
 160.015/149/0 Type USMW 7.4 lifeboat winch (metric design). Maximum working load of 16,576 lb pull at the drums (8,288 lb per fall).
 160.015/150/0 Type USMW 9.3 lifeboat winch (metric design). Maximum working load of 20,832 lb pull at the drums (10,416 lb per fall). Produced by Colts Engineering Co. Ltd., Stargate Works, Ryton, Tyne and Wear, England for Schat-Watercraft Inc.
 160.015/155/0 Type BE 6.0 IMO lifeboat/rescue boat winch, maximum working load 13,200 lb pull at the drums (6,600 lb per fall).
 160.015/156/1 Types BE 11500, BE 11500 MK I, and BE 12500 lifeboat winches; maximum working loads 11,500 and 12,500 kg pull at the drums, respectively.
 160.015/161/0 Types BE6000, BE7800, and BE9300 lifeboat winches; maximum working loads of 6,000 kg, 7,800 kg, and 9,300 kg pull at the drums, respectively.
 160.015/162/0 Type BE 7800 lifeboat winch, maximum load 7,800 kg (17,200 lb) pull at the drums (3,900 kg (8,600 lb) per fall).
 160.015/163/1 Type BE 4.0 rescue boat winch; maximum working load 7,800 lb on a single drum.
 160.015/170/1 Types BE 3000 and BE 3800 rescue boat winches; maximum safe working loads 3,000 kg and 3,800 kg, respectively, on a single drum. Nameplates on units manufactured by Schat-Davit Co. may list Schat-Davit Co. as manufacturer in lieu of Schat Watercraft.
 Schat Watercraft Ltd., 60B High Street, Harpenden, Herts AL5 2FP, England
 160.015/158/0 Type BE 4.5 IMO lifeboat winch, maximum working load of 4,590 kg (10,100 lb) pull at the drums (2,295 kg (5,050 lb) per fall).
 160.015/167/0 Type BHY/5300 rescue boat winch for use with hydraulic hoisting motor; maximum safe working load 5300 kg pull at the drums.
 160.015/171/0 Schat type FME 3.4 rescue boat winch; approved for a maximum working load of 1638 kg on a single-part fall.
 160.015/175/0 Type BE4500RB rescue boat winch; maximum safe working load 4500 kg at the drums.
 Survival Systems International (formerly Whittaker Corp., Survival Systems Div.), 34140 Valley Center Road, P.O. Box 1855, Valley Center, CA 92082
 160.015/121/4 Model W2800 survival capsule launching winch; maximum working load 15,000 lb on a single-part fall.
 160.015/122/1 Model W2801 survival capsule winch; single-fall (14,000 lb)
 160.015/124/2 Model W5000 survival capsule launching winch; maximum working load 20,000 lb on a single-part fall.
 160.015/127/0 Model W1400 survival capsule launching winch. Maximum working load of 8,000 lb on a single-part fall.
 160.015/137/1 Model W1403 survival capsule launching hydraulic winch. Maximum launching load 11,000 lb on a single-part fall.
 160.015/140/1 Model W1402 survival capsule launching winch; maximum working load 11,000 lb on a single-part fall.
 160.015/151/0 Model W2800 high-speed launching winch for survival capsule; maximum working load 15,000 lb on a single-part fall.
 160.015/152/0 Model W1402 high-speed survival capsule launching winch; maximum working load 11,000 lb on a single-part fall.
 160.015/153/1 Model W5000 high-speed survival capsule launching winch; maximum working load 20,000 lb on a single-part fall.

LIFESAVING EQUIPMENT

Vestdavit A/S, C. Sundtsgt. 37, N-5004 Bergen, Norway
 160.015/177/0 Vestvinsj C-194-1 hydraulic rescue boat winch; approved for a maximum working load of 1500 kg on a single-part fall.

160.016 LAMPS, FLAME SAFETY

Koehler Manufacturing Co, Box R, Marlboro, MA 01752
 160.016/2/3 Koehler Model 289-1A, naphtha burning, key lock, flame safety lamp.

160.017 CHAIN LADDERS

A. L. Don Company, Foot of Dock Street, Matawan, NJ 07747
 160.017/59/0 Model Erik-I.
 160.017/60/2 Model Eric II embarkation ladder equivalent to chain ladder. Max. length 33.5m (110 ft). All steps urethane. Test and inspections by Lucius Pitkin, New York, NY.

Apollo Marine Specialties, 4227 Royal St., New Orleans, LA 70117
 160.017/58/0 Adonic II Embarkation Ladder.
 160.017/61/0 Adonic I Embarkation Ladder.

Coast Marine and Industrial Supply, 398 Jefferson Street, San Francisco, CA 94133
 160.017/57/0 Comar Debarkation Ladder, all synthetic construction. Maximum ladder length 160 ft.

H K Metalcraft Manufacturing Corp., 35 Industrial Road, P.O. Box 275, Lodi, NJ 07644
 160.017/36/5 Model II PL-S, chain ladder, steel ears.
 160.017/40/2 Model 12 PL-S, chain ladder, (8-0 lock link chain), steel ears.

Controlled-Descent Devices

The following controlled-descent devices are Listed by Underwriters Laboratories in accordance with UL 1523, and are approved as equivalent to a chain ladder under 46 CFR 160.017 for use as an "additional means of abandonment" under 46 CFR 108.527, and as a "secondary means of escape" under 33 CFR 143.101.

CDM International Ltd., 130 Main St., PO Box 1028, Beckley, WV 25802
 Model IBEX-1, maximum capacity 300 lb, maximum assembly height 150 ft.

Survival Systems International, 34140 Valley Center Dr., P.O. Box 1855, Valley Center, CA 92085
 "Donut" Models 150N and 200N, manually operated controlled-descent device. Manufactured in Aberdeen, Scotland by Engineering Management & Inspection (Safety Systems) Ltd.

160.018 LIFERAFTS (RIGID)

*No approvals at present.
 See approvals under 160.118 series also.*

160.019 SEA ANCHORS, LIFEBOAT

Cai-June Corporation, P.O. Box 9551, North Hollywood, CA 91609-1551
 160.019/15/0 Model 929.

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, NY 10001
 160.019/14/0 Model RSC-2 Sea Anchor.
 160.019/16/0 Model RSC-3 Sea Anchor.

160.020 MIRRORS, EMERGENCY SIGNALLING

Datrex, Inc., P.O. Box 1150, Kinder, LA 70648
 160.020/A12/0 SMC, 4" x 5" metal emergency signaling mirror.

EQUIPMENT LISTS

F & L Packing Corp., 681 Main St., Belleville, NJ 07109
160.020/8/0 3-15/16" x 5-1/8" metal mirror, type 304 stainless.

Inter-Rex, Inc., P.O. Box 615, Hawkesbury, Ontario, Canada K0B 1R0
160.020/10/0 "SOS Reflector" 4" x 4" x 22 ga. stainless steel mirror with aluminum sighting device.

Marine Wholesalers, Inc., 1100 Adams Street, Hoboken, NJ 07030
160.020/9/0 4" x 5", metal mirror, type 304 stainless steel.

Mayday Mirror, 140 Seawood Ave., London, Ontario, Canada N6J 1B4
160.020/11/0 5 in x 4 in stainless steel mirror.

Melflo Marketing Consultants, 419 Ashbourne Rd., Elkins Park, PA 19117
160.020/12/0 4" x 5" metal emergency signaling mirror.

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, 10001
160.020/2/2 Type SMC, 102 mm x 127 mm (4" x 5") metal, emergency signaling mirror.

160.021 SIGNALS, DISTRESS, HAND RED FLARE

See approvals under 160.121 series also.

Bristol Flare Corporation, 2975 State Road, P.O. Box 540, Bristol, PA 19007
160.021/4/3 Bristol Marine Hand Red Flare Distress Signal, 500 candela, 2 minute burning time.

Comet GmbH, Postfach 10-02-67, D-2850 Bremerhaven 1, Federal Republic of Germany
160.021/28/0 Article No. 1328, Handflare, red, 15,000 candela.

Norabel AB, Box 93, S 427 00 Billdal, Sweden
160.021/30/0 Polar MK 2 hand held red flare, 15,000 candela, 60 second burn time.

Orion Marine Signal Products, Div. Of Std. Fusee Corp., P.O. Box 107, Peru, IN 46970
160.021/18/0 Orion Hand-Held Red Signal Flare, 2 minute burn time, 500 candela.

Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom.
160.021/25/0 Pains-Wessex Red MK 6 Handflare and Kilgore Red Hand Flare, 15,000 candela, 60 second burn time.
160.021/26/0 Schermuly Red MK 6 Handflare, 15,000 candela, 60 second burn time.

Skyblazer, Inc., 1700 Via Burton, Anaheim, CA 92806
160.021/27/0 Skyblazer Life-Star hand held red flare, 500 candela, 2 minute.

160.022 SIGNALS, DISTRESS, FLOATING ORANGE SMOKE

See approvals under 160.122 series also.

Comet GmbH, Postfach 10-02-67, D-2850 Bremerhaven 1, Federal Republic of Germany
160.022/14/0 Article No. 1320, 4 min.

Norabel AB, Box 93, S-427 00 Billdal, Sweden
160.022/12/0 Floating Orange Smoke Distress Signal, 4 minute burn time.
160.022/A14/0 Lifesmoke MK 4 Floating Orange Smoke, 4 minute burn time.

Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom
160.022/13/0 Pains-Wessex Schermuly Lifesmoke MK 3 and Kilgore Floating Orange Smoke, 3 minute burn time.

LIFESAVING EQUIPMENT

160.023 SIGNALS, DISTRESS, HAND COMBINATION
FLARE AND SMOKE

Kilgore Corp., Bradford Road, Toone, TN 38381-0099
 160.023/2/2 MK 13 MOD O combination hand flare and smoke distress signal.
 160.023/5/0 MK 124 MOD O combination hand flare and smoke visual distress signal.

160.024 SIGNALS, DISTRESS, PISTOL-PROJECTED PARACHUTE
RED FLARE

No approvals at present.

160.026 CONTAINERS, EMERGENCY PROVISIONS AND WATER

See also 160.046 for approved Emergency Provisions.

ACR Electronics, Inc., 5757 Ravenswood Road, P.O. Box 5247, Fort Landerdale, FL 33310-5247
 160.026/57/0 4 oz sterile water in heat sealed foiled envelope.

Aqua Blox, 12124 Woodruff Avenue, Downey, CA 90241
 160.026/66/0 Aqua Blox purified drinking water in hermetically sealed foil lined cardboard boxes, 250 ml (8.45 oz).

Chemac Industries Inc., #11 - 368 Industrial Ave., Kelowna, British Columbia, Canada V1Y 7E8
 160.026/67/0 Emergency Drinking Water in hermetically sealed foil laminate pouches - 125 ml (4.225 ounces) per pouch.

Compact AS, Damsgardsgt. 143, P.O. Box 38, N-5031 Bergen, Norway
 160.026/50/0 Seven Oceans Standard Emergency Rations for Lifeboats.
 160.026/51/0 Seven Oceans Standard Emergency Rations for Liferrafts.
 160.026/56/0 32 oz. sterile water in 4 ply heat sealed foil pouches.

Datrex, Inc., P.O. Box 1150, Kinder, LA 70648
 160.026/55/0 Emergency Drinking Water in hermetically sealed foil laminate pouch, 125 ml (4.227 oz).

F & L Packing Corp., 681 Main St., Belleville, NJ 07109
 160.026/41/1 Container for emergency drinking water.
 160.026/61/0 Emergency drinking water in hermetically sealed foil laminate pouch, 125 ml (4.227 oz).

Koninklijke Verkade N. V., Westzijde 103, 1506 Ga Zaandam, Netherlands
 160.026/48/0 "Red Ration", 1-1/3 lifeboat ration.
 160.026/49/0 "Blue ration", 1-1/3 liferaft ration.

Mainstay Products Inc., 2551 Azurite Circle, Newbury, CA 91320
 160.026/63/1 Mainstay Emergency Drinking Water in hermetically sealed foil laminate pouch, 4.225 ounces (125 ml).

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, NY 10001
 160.026/45/2 Emergency Drinking Water in hermetically sealed foil laminate pouch, 4.225 oz. (125 ml).

SOS Food Labs, Inc., 351-1/2 Passaic Street, Passaic, NJ 07055
 160.026/65/0 Emergency purified Drinking Water in hermetically sealed foil laminate pouches, 4.227 oz (125 ml) per pouch.

EQUIPMENT LISTS

Specialty Packing Co., Inc., 11521 Anabel Street, Garden Grove, CA 93643

160.026/64/0 Emergency drinking water in hermetically sealed foil pouches – 4.227 oz (125 ml) per pouch.

Transaktor KB, P.O. Box 52055, S-400 25 Goteborg, Sweden

160.026/62/0 Emergency drinking water in 500 ml hermetically sealed high density polyethylene Brickteiner bottles.

Viking Life Saving Equipment, Inc., 1625 N. Miami Ave., Miami, FL 33136

160.026/58/0 NGF/COCIO Drinking Water, 1/2 liter package consisting of five 0.1 liter bags.

WLD Enterprises Ltd., 7800 Willowfield Drive, Richmond, B.C., Canada V7C 4S7

160.026/60/0 Emergency Drinking Water in hermetically sealed can, 270 ml (9 oz).

160.027 LIFE FLOATS

Billy Pugh Co. Inc., 1510 North Broadway, P.O. Box 802, Corpus Christi, TX 78403

160.027/82/3 49.50" x 35.75" (8.0" x 9.75" body section) Model LF 6 life float, 6 person capacity, urethane core, fibrous glass reinforced plastic cover.

160.027/83/3 Model LF 12, 72.50" x 44.00" (8.50" x 10.875" body section), 12-person capacity, urethane core, fiberglass reinforced plastic cover.

160.027/84/3 90.00" x 48.00" (10.00" x 11.50" body section) Model LF 15 life float, 15 person capacity, urethane core, fibrous glass reinforced plastic cover.

160.027/85/3 Model LF 25, 108.00" x 61.00" (12.75" x 11.75" body section), 25-person capacity, urethane core, fiberglass reinforced plastic cover.

Cal-June Corporation, P.O. Box 9551, North Hollywood, CA 91609-1551

160.027/75/2 128cm x 93cm x 22cm (50 1/2" x 36 1/2" x 8 1/2") life float 8-person capacity, rectangular type, Model A Series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.027/76/2 160cm x 94cm x 23cm (63" x 37" x 9") life float, 10-person capacity, rectangular type, Model A Series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.027/77/2 163cm x 122cm x 32cm (64" x 48" x 12 1/2") life float, 15-person capacity, rectangular type, Model A Series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.027/78/2 254cm x 122cm x 32cm (100" x 48" x 12 1/2") life float, 22-person capacity, rectangular type, Model A Series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

160.027/79/2 128cm x 93cm x 22cm x (50 1/2" x 36 1/2" x 8 1/2") 6-person capacity, rectangular type, Model A Series.

160.027/80/2 198cm x 94cm x 23cm (78" x 37" x 9") life float, 12-person capacity, rectangular type, Model A Series. Constructed of polystyrene core and vinyl foam or polyethylene foam covering.

Plasti-Kraft Corporation, Ozona Industrial Park, Ozona, FL 33560

160.027/40/9 4.17' x 3.0' (8" x 8 1/2" body section) rectangular life float, 6-person capacity.

160.027/41/10 6.17' x 3.67' (10" x 9" body section) rectangular life float, 12-person capacity.

160.027/43/1 7.5' x 4.67' (13.5" x 12.5" body section) rectangular life float, 25-person capacity.

160.028 SIGNAL PISTOLS FOR PARACHUTE RED FLARE
DISTRESS SIGNALS

Also includes launching devices for certain aerial flares approved under 160.066.

Heckler & Koch, Inc., 14601 Lee Road, Chantilly, VA 22021

160.028/19/0 Heckler & Koch emergency flare launcher, 19 mm.

Nico-Pyrotechnic, Beider Feuerwerkerei 4, P.O. Box 1227, D-2077 Trittau, Federal Republic of Germany

160.028/20/0 NICOSIGNAL Launcher with 6 shot magazine using 160.066/22/0 Flare cartridges.

Orion Marine Signal Products, Div. Of Std. Fusee Corp., P.O. Box 107, Peru, IN 46970

160.028/11/0 Orion 25 mm Signal Flare Launcher with 12 ga. converter.

160.028/12/1 Orion 12 ga. Signal Launcher.

LIFESAVING EQUIPMENT

160.028/24/1 Orion Pocket Rocket Launcher for use with Orion Pocket Rocket Meteor, approval number 160.066/27/1.

160.031 LINE-THROWING APPLIANCES, SHOULDER GUN TYPE (AND EQUIPMENT)

Naval Company, Inc., 4747 Cold Spring Creamery Rd., RD #2, Doylestown, PA 18901

160.031/6/3 Bridger Model No. 85, shoulder gun type line-throwing appliance with tan and orange lines
Specialty Products Company (formerly Scientific Products Corp.), Rt. 2 Box 398B, Queenstown, MD 21658
160.031/8/0 E Z Liner Line Thrower, shoulder gun type line-throwing appliance.

Technical Equipment Associates of Florida, Inc., P.O. Box 3117, Palm Beach, FL 33480

160.031/12/0 Model 007 Buoy Launcher, .22 caliber blanks, approved for use with the red buoy projectile only.

160.032 DAVITS, LIFEBOAT

See approvals under 160.132 series also.

Davit International GmbH, Berliner Strasse 73-75, Postfach 1566, W-2838 Sulingen, Federal Republic Of Germany

160.032/285/0 Type D-NP.70 gravity pivot life/rescue boat davit; maximum safe working load 7,150 kg in ratio 2,770 kg forward and 4,380 kg aft.

160.032/286/0 Type D-BR.12 single-arm cantilever rescue boat davit, with MSU.45.02 stored mechanical power unit; max. working load 1225 kg on a single-part fall.

Davit International Inc., 6311 Breen Road, Houston, TX 77086

160.032/289/0 Type CD-2700-SP "CORD" fixed cantilever rescue boat launching davit; maximum safe working load 2700 lb (1225 kg) on a single-part fall.

Lake Shore, Inc., Marine Division, Iron Mountain, MI 49801

160.032/258/0 Type CG-226-2G gravity davit (trackway-type), approved for a maximum working load of 22,600 lb per set (11,300 lb per arm) using two-part falls.

Schat-Davit Company GmbH, P.O. Box 60 24 69, Jarrestr. 42, 2000 Hamburg 60, Federal Republic of Germany

160.032/267/0 Type SPG(L) IMO 6560/3870/D gravity pivot davit, maximum working load 6,700 kg per set (3,350 kg per arm) using two-part falls.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759

160.032/146/2 Type 20-20F mechanical davit; 2,900 lb per arm using two or six-part falls.

160.032/174/0 Type 24-40A aluminium straight boom-sheath screw mechanical davit; approved for a maximum working load of 12,000 lb per set (6,000 lb per arm).

160.032/181/2 Type 22-31 MK III mechanical davit; 4,650 lb per arm using two-part falls.

160.032/202/1 Type 26-16 gravity davit, approved for a maximum working load of 7270 kg (16000 lb) per set (3635 kg (8000 lb) per arm) using two-part falls.

160.032/204/0 Type ORD/DHM fixed gravity davit; maximum working load 16,350 lb (8,175 lb per arm) using one-part falls.

160.032/205/0 Type 20-20 (MK II) mechanical davit, steel straight boom and sheath screw; maximum working load 5,800 lb per set (2,900 lb per arm).

160.032/207/0 Type 24-40 MKII mechanical davit, steel straight boom and sheath screw; maximum working load 12,000 lb per set (6,000 lb per arm).

160.032/208/0 Type ORD/DHM (MK II) fixed gravity davit; maximum working load 20,380 lb per set (10,190 lb per arm) using single-part falls.

160.032/209/0 Type ORD/DHM (MKIII) fixed gravity davit; maximum working load 16,350 lb per set (8,175 lb per arm) using single-part falls.

160.032/213/2 Type MIR/26 gravity davit and launching cradle; maximum working load 16,576 lb per set (8,288 lb per davit head) using single-part falls.

EQUIPMENT LISTS

- 160.032/214/0 Type 6.5M fixed gravity davit; 5,600 lb per arm using one-part falls.
- 160.032/221/1 Type 24/WOD outrigger gravity davit, approved for a maximum working load of 7130 kg per set (3565 kg per arm) using one-part falls.
- 160.032/222/0 Type SPG(L) gravity pivot davit; 8,467 lb per arm using two-part falls.
- 160.032/224/1 Type 21/WOD outrigger gravity davit, approved for a maximum working load of 5090 kg per set (2545 kg per arm) using one-part falls.
- 160.032/225/1 Type 28/WOD outrigger gravity davit, approved for a maximum working load of 9300 kg per set (4650 kg per arm) using one-part falls.
- 160.032/227/1 Type 26/WOD outrigger gravity davit, approved for a maximum working load of 7200 kg per set (3600 kg per arm) using one-part falls.
- 160.032/228/2 Type 28-21 gravity davit; 10,500 lb per arm using two-part falls.
- 160.032/231/0 Type WP21/10.5 gravity pivot davit. Approved for a maximum load of 9,928 lb per set (4,964 lb per arm) using single-part falls.
- 160.032/234/0 Type WP-26 gravity pivot davit; maximum working load 6,500 lb per set (8,250 lb per arm) using 2-part falls.
- 160.032/238/0 Type MIR/26 ('Miranda') gravity davit; 8,288 lb per arm using one-part falls.
- 160.032/240/0 Type MIR/24 ('Miranda') gravity davit; 8,288 lb per arm using one-part falls.
- 160.032/241/0 Type GRA gravity davit; maximum working load 21,000 lb per set (10,500 lb per arm) using two-part falls.
- 160.032/243/0 Type MIR/8.5 "Miranda" gravity davit and launching cradle; maximum working load 21,638 lb per set (10,819 lb per davit head) using single-part falls.
- 160.032/245/0 Type 37-40 gravity davit; 20,000 lb per arm using two-part falls.
- 160.032/256/0 Type SPG(VL) gravity pivot davit. Approved for maximum working load of 10,500 lb per set (5,250 lb. per arm) using two-part falls.
- 160.032/261/0 Type GRA 15200/12.5 trackway gravity davit; maximum working load 15,200 lb per set (7,600 lb per arm) using two-part falls.
- 160.032/263/0 Type 28/WOD/STFF outrigger gravity davit; (10,250 lb per arm) one-part falls.
- 160.032/265/1 Type SPG(L) IMO 6000/3300 single-pivot gravity davit, approved for maximum working load of 13,860 lb per set (6,930 lb per arm) using two-part falls.
- 160.032/266/0 Type SPG(VL)-29/16 single-pivot gravity davit; approved maximum working load 29,000 lb per set (14,500 lb per arm) using 2-part falls.
- 160.032/268/0 Type SPG(VL)-27/15 gravity pivot davit; approved for a maximum working load of 27,000 lb per set (13,500 lb per arm) using two-part falls.
- 160.032/271/0 Type ORD/DM/6.5 Mk V outrigger-gravity davit; approved for a maximum working load of 13,670 lb per set (6,835 lb per arm) using one-part falls.
- 160.032/272/0 Type MRD/6200-IMO 83 "Miranda" single-armed gravity davit, approved for a maximum working load of 6,200 lb using a single-part fall. Used with launching cradle for rescue boat.
- 160.032/280/0 Type SPG(VL) 9.4M/4700 gravity pivot davit for arctic applications. Maximum working load 28,000 lb evenly distributed fore and aft.
- 160.032/282/0 Type SA/ORD/3000/R6 outrigger gravity rescue boat davit. Maximum safe working load 3500 kg on a single-part fall. Unit may be marked with alternate type designation "SA/ORD/3500/WM24."
- 160.032/283/0 Type SA/ORD/3000/R6-R5 outrigger gravity rescue boat davit. Maximum safe working load 3000 kg on a single part fall. Nameplates on units manufactured by Schat-Davit Co. may list Schat-Davit Co. as manufacturer in lieu of Schat-Watercraft.
- 160.032/290/0 Type ORD/UDM/8500/7.5 fixed davit for under-deck mounting; maximum safe working load 10,000 kg using single-part falls.
- 160.032/291/0 Type SAC(H)/2.75/5M hydraulic slewing rescue boat davit. Maximum safe working load 2800 kg on a single-part fall.
- 160.032/292/0 Type SPG(L) 9600/4870 gravity pivot davit with spring assist; maximum safe working load 10,000 kg (5,000 kg per arm).
- 160.032/295/0 Type ORD/12500/9.4 outrigger gravity davit; maximum working load 12500 kg in ratio 6400 kg aft, 6100 kg forward, using single-part falls.

LIFESAVING EQUIPMENT

Schat Watercraft Ltd., 60b High Street, Harpenden, Herts AL5 2FP, United Kingdom

160.032/262/0 Type GRA (UK-MK III) trackway gravity davit; maximum working load 16,500 lb per set (8,250 lb per arm) using two-part falls.

160.032/275/0 Type SPG (H) 8.5M/3850 gravity pivot davit. Maximum working load 8900 kg in ratio 4700 kg aft, 4200 kg forward.

160.032/276/0 Type SPG (H) 9.4M/4700 gravity pivot davit. Maximum working load 12500 kg in ratio 6745 kg aft, 5755 kg forward.

160.032/277/0 Type MRT/3900 "Miranda" triple point gravity davit with rescue boat launching cradle; maximum working load 4800 kg using single-part falls. 160.032/281/0 Type ORD/DM/8500/7.5M or ORD/DM/9500/8.5M outrigger davit; maximum safe working load 10,000 kg using single-part falls.

160.032/284/0 Schat type SPR 12.0 stored mechanical power rescue boat davit; approved for a maximum working load of 1223 kg on a single-part fall.

160.032/287/0 Type SAP 3000/3750 single-arm gravity pivot rescue boat davit; maximum safe working load 2000 kg.

160.032/288/0 Type SPG(VL) 7.5/13.5 gravity pivot davit with spring assist. Maximum safe working load 7950 kg in ratio 4200 kg aft and 3750 kg forward.

Survival Systems International (formerly Whittaker Corp., Survival Systems Div.), 34140 Valley Center Road, P.O. Box 1855, Valley Center, CA 92082

160.032/191/0 Type 20-500 outrigger gravity davit; (11,000 lb) single one-part fall.

160.032/196/0 Type SS 1401 outrigger gravity davit; (6,000 lb) single one-part fall.

160.032/197/0 Type SS 2800 outrigger gravity davit; (11,000 lb) single one-part fall.

160.032/198/1 Type SS 2801 survival capsule launching system (winch-type); maximum working load 11,000 lb on a single-part fall.

160.032/217/0 Type SS 2810 outrigger gravity davit; (11,000 lb) single one-part fall.

160.032/230/1 Type PL 3400 outrigger gravity davit; (14,000 lb) single one-part fall.

160.032/232/1 Type PL 5001 fixed outrigger gravity davit; maximum working load 18,000 lb using a single-part fall.

160.032/235/0 Type PL 2802 fixed (outrigger) gravity davit; approved for a maximum working load 11,000 lb using a single-part fall.

160.032/236/1 Type PL 5000 outrigger gravity davit; (18,000 lb) single one-part fall.

160.032/237/1 Type PL 1402 fixed (outrigger) gravity davit; maximum working load 6,000 lb using a single-part fall.

160.032/242/0 Type PL 5002 fixed (outrigger) gravity davit; maximum working load 18,500 lb using a single-part fall.

160.032/244/0 Type PL 3401 fixed (outrigger) gravity davit; maximum working load 15,000 lb using a single-part fall.

160.032/248/0 Type PL 2803 outrigger gravity davit; (10,000 lb) single one-part fall.

160.032/251/0 Type PL 2100 fixed (outrigger) gravity davit, approved for a maximum working load of 11,000 lb using a single-part fall.

160.032/278/0 Type PL5002-100 fixed (outrigger) gravity davit; maximum working load 18,000 lb using a single-part fall.

Vestdavit A/S, C. Sundtsgt. 37, N-5004 Bergen, Norway

160.032/293/0 Vestdavit PL-1500 hydraulic luffing rescue boat davit; approved for a maximum working load of 1500 kg on a single-part fall.

160.033 MECHANICAL DISENGAGING APPARATUS, LIFEBOAT

See approvals under 160.133 series also.

Fr. Fassmer GmbH & Co., Berne 2, D-2876 Motzen-Weser, Federal Republic of Germany

160.033/83/0 4.3 Tonne on-load mechanical disengaging apparatus, safe working load 4300 kg (9477 lb) per hook.

EQUIPMENT LISTS

Harding Safety A/S, N-5470 Rosendal, Norway
 160.033/78/0 Type H-80M, Group I, mechanical disengaging apparatus for lifeboats. Maximum rated load 6,678 kg (14,692 lb) per hook.
 160.033/90/0 Type H-80 HS, Group I, release mechanism for lifeboats, hydraulically operated. Maximum rated load 6,678 kg (14,692 lb) per hook.

Lake Shore, Inc., Marine Division, Iron Mountain, MI 49801
 160.033/28/7 Rottmer type size 299 releasing gear.
 Lane Marine Technology, Inc., 150 Sullivan St., Brooklyn, NY 11231
 160.033/42/0 Rottmer type size 0.1 releasing gear.
 160.033/46/1 Rottmer type size 0-1-0, releasing gear.
 160.033/51/0 Rottmer type size 0-1-02, releasing gear.

Offshore A/S, Vikaveien 29, 4817 HIS Arendal, Norway
 160.033/79/1 "TOR" type on-load release gear, approved for a maximum working load of 3360 kg (7405 lb) per hook.
 160.033/80/1 "TOR" type, on-load release gear, approved for a maximum working load of 5000 kg (11020 lb) per hook.
 160.033/81/1 "TOR" type on-load release gear, approved for a maximum working load of 8000 kg (17632 lb) per hook.

Schat-Marine Safety Corporation, P.O. Box 465, Foot of Industrial Rd., Farmingdale, NJ 07727
 160.033/43/2 Rottmer type L-1A releasing gear.
 160.033/52/1 Type B-1, Rottmer type releasing gear.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759
 160.033/39/4 Rottmer type S-1 releasing gear. Approved for a maximum working load of 21,300 pounds per set (10,650 pounds per hook). Alternate manufacturing location: Marine Safety Corp., Farmingdale, NJ.
 160.033/66/2 Viking on-load release gear.
 160.033/69/1 Titan Release Gear.
 160.033/73/0 Single Release Hook.
 160.033/87/1 Titan Release Gear. Maximum working load of 8000 lb per hook.
 160.033/88/0 Single release hook, off-load type, maximum load 10,000 lb.

Survival Systems International, 34140 Valley Center Road, P.O. Box 1855, Valley Center, CA 92082
 160.033/60/4 Rottmer type releasing gear, approved for a maximum working load of 15,000 lb per hook.
 160.033/61/2 Rottmer type releasing gear.
 160.033/64/0 Rottmer type releasing gear, approved for maximum working load of 25,000 lb per hook.
 160.033/67/0 Whittaker Disengaging Apparatus.
 160.033/68/2 Model 504-111 Disengaging Apparatus, used only as a single hook.
 160.033/70/0 Whittaker Disengaging Apparatus, approved for maximum working load of 15,000 lb, used only as a single hook.
 160.033/71/0 Whittaker Disengaging Apparatus, for low temp. applications used only as a single hook. Approved for maximum working load of 8712 kg (19,176 lb).
 160.033/74/0 Whittaker Model 508-111 Disengaging Apparatus, used only as a single hook. Approved for maximum working load of 5000 kg (11,000 lb).
 160.033/75/0 Whittaker Model 510-111 Disengaging Apparatus, used only as a single hook. Approved for maximum working load of 8,000 pounds.

William Mills (Marine) Ltd., Manor Road, Levenshulme, Manchester, United Kingdom M19 3EJ
 160.033/84/0 Titan on-load release gear, maximum working load 3000 kg (6612 lb) per hook.
 160.033/85/0 Titan on-load release gear, maximum working load 5000 kg (11,020 lb) per hook.
 160.033/86/0 Titan on-load release gear, maximum working load of 6000 kg (13,224 lb) per hook.

160.034 HAND-PROPELLING GEAR, LIFEBOAT

Marine Safety Corporation (formerly Schat-Marine Safety Corp.), P.O. Box 465, Foot of Industrial Rd., Farmingdale, NJ 07727
 160.034/18/0 Type M, hand-propelling gear identified by Dwg. List Type M dated 16 August 1974.
 160.034/19/0 Type MBG Hand Propelling Gear.

LIFESAVING EQUIPMENT

160.035 LIFEBOATS

See approvals under 160.135 series also.

Fr. Fassmer GmbH & Co., Berne 2, D-2876 Motzen-Weser, Federal Republic of Germany
160.035/533/1 7.4 m (24.2 ft) x 2.65 m (8.7 ft) x 1.19 m (3.9 ft) fiberglass reinforced plastic, totally enclosed lifeboat/rescue boat, 38 persons.

Harding Safety A/S, N-5470 Rosendal, Norway
160.035/531/0 MCBO 34, 9.98m x 3.3m, x 1.38m, FRP, totally enclosed, fire-protected lifeboat, 76 person capacity.

IHI Craft Co., Ltd., 1, Shin-Nakahara-Cho, Isogo-Ku, Yokohama 235, Japan
160.035/529/0 Model GTC-70-C, 7.00 m (22.97 ft) x 2.60 m (14.22 ft) x 1.15 m (3.77 ft), fibrous glass reinforced plastic totally enclosed motor lifeboat, 26 pers.

Norsafe A/S, PO Box 115, N-4818 Faervik, Norway
160.035/545/0 6.7m "MINA" GRP Totally Enclosed Lifeboat. 32 person. Fire protected with self-contained air supply and water sprinkler system. Must be marked: 160.035/545, 160.135/21, and SOLAS 74/83.
160.035/556/0 6.7m "MINA" GRP Totally Enclosed Lifeboat. 32 person. Dry Cargo Version. Permanent ballast added to bring weight to the fire protected version.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759
160.035/174/3 22.0' x 7.5' x 3.17' steel, motor-propelled, Class 1 lifeboat.
160.035/178/8 16.0' x 5.5' x 2.38' steel, oar-propelled lifeboat, 9-person capacity. For limited service use.
160.035/214/6 20.0' x 6.5' x 2.67' aluminum, oar-propelled lifeboat, 18-person capacity.
160.035/230/6 22.0' x 7.5' x 3.17' aluminum, oar-propelled, 30-person capacity.
160.035/258/4 20.0' x 6.5' x 2.67' steel, oar-propelled lifeboat.
160.035/285/3 18.0' x 5.75' x 2.42' aluminum, oar-propelled, 12-person capacity.
160.035/439/8 3.66 m x 1.35 m x 0.53 m (12.0' x 4.42' x 1.75') oar-propelled FRP lifeboat, 4-person capacity.
160.035/449/2 26.0' x 9.0' x 3.83' aluminum, motor-propelled lifeboat.
160.035/452/2 30.0' x 10.0' x 4.35' aluminum, motor-propelled lifeboat, Class 1, 74-person capacity.
160.035/457/1 22.0' x 7.5' x 3.17' aluminum, motor-propelled, Class 1 lifeboat, 28 person capacity, with Westerbeke LB-40 engine, or with Lister ST-2 engine.
160.035/467/1 30.0' x 10.0' x 4.33' steel, motor-propelled lifeboat.
160.035/471/0 33.5' x 11.5' x 4.83' steel, motor-propelled, Class 1, lifeboat.
160.035/473/2 26.0' x 9.0' x 3.83' FRP, totally enclosed, fire protected, Class 1, 42 person lifeboat. S-1 release gear and Westerbeke LB-40 engine.
160.035/475/2 26.25' x 8.85' x 3.6' fibrous glass reinforced plastic, totally enclosed, motor-propelled lifeboat.
160.035/477/0 30.0' x 10.0' x 4.33' fibrous glass reinforced plastic totally enclosed Class 1 motor-propelled lifeboat.
160.035/478/0 26.0' x 9.0' x 3.83' fibrous glass reinforced plastic totally enclosed Class 1 motor-propelled lifeboat.
160.035/484/1 27.89' x 9.74' x 4.07' fibrous glass reinforced plastic, totally enclosed motor propelled lifeboat, 58-person capacity.
160.035/485/2 21.83' x 8.08' x 2.93' GRP totally enclosed motor-propelled lifeboat, without radio cabin or searchlight (Class 1), 23 person capacity. Optional closed manifold positive pressure air system installation dwg. 6.5 EL-122-20.
160.035/487/3 23.87' x 8.75' x 3.25', 33-person, totally enclosed, motor-propelled, fibrous glass reinforced plastic.
160.035/488/0 33.5' x 11.5' x 4.83' aluminum, motor-propelled, Class 1 lifeboat.
160.035/490/0 25.74' x 9.0' x 3.71' fibrous glass reinforced plastic lifeboat, oar propelled, 53-person capacity. 46 CFR 160.035-13(c) Marking - Weights: Condition "A" = 3,200 pounds; Condition "B" = 13,063 pounds.
160.035/491/1 25.74' x 9.0' x 3.71' GRP lifeboat, 48 per., without radio cabin or search-light, (class 1), with Lister ST-2 engine or with Westerbeke LB-40 engine.

EQUIPMENT LISTS

- 160.035/492/2 22.0' x 7.5' x 3.17' steel, motor-propelled, Class 1 lifeboat, 26-person capacity, with Lister St-2 engine, or with Westerbeke LB-40 engine.
- 160.035/494/0 23.97' x 8.0' x 3.48' fibrous glass reinforced plastic motor-propelled lifeboat.
- 160.035/496/0 23.97' x 8.0' x 3.48' fibrous glass reinforced plastic lifeboat, hand propelled, 37-person capacity.
- 46 CFR 160.035-13(c) marking - Weights: Condition "A" 3,460 Pounds; Condition "B" 10,875 Pounds.
- 160.035/497/0 23.97' x 8.0' x 3.48' fibrous glass reinforced plastic motor-propelled lifeboat.
- 160.035/498/1 23.97' x 8.0' x 3.48' FRP lifeboat, oar propelled, 40-person.
- 160.035/499/0 25.74' x 9.0' x 3.71' fibrous glass reinforced plastic lifeboat, hand propelled, 53-person capacity.
- 46 CFR 160.035-(c) marking - Weights: Condition "A" = 3,695 pounds; Condition "B" = 13,407 pounds.
- 160.035/503/0 37.0' x 12.5' 5.42' aluminum motor-propelled, Class 1 lifeboat.
- 160.035/508/0 EL/16 totally enclosed lifeboat, 16'6" x 7'0" x 9'6" fibrous glass reinforced plastic.
- 160.035/513/0 30.0' x 10.0' x 4.4' FRP hand propelled boat.
- 160.035/515/1 30.0' x 10.0' x 4.33' open lifeboat, fibrous glass reinforced plastic construction, motor propelled.
- 160.035/516/1 37.42' x 12.5' x 5.42', 145 passenger, motor propelled, class 1, open lifeboat, FRP construction.
- 160.035/525/0 29'4" x 10'7 5/8" x 9' 10" fibrous glass reinforced totally enclosed motor propelled lifeboat.
- 160.035/526/0 21.83' x 8.08' x 2.93' fibrous glass reinforced plastic totally enclosed motor propelled lifeboat.
- 160.035/527/1 8.5 m x 2.7 m x 1.2 m (28' x 9' x 4') 59-person, FRP open lifeboat, motor propelled.
- 160.035/528/1 28' x 9' x 3' 11.5", 53 person, GRP, motor propelled.
- 160.035/532/0 9.4 m x 3.5 m x 2.9 m, Mk IV, 80 person capacity, totally enclosed lifeboat, fibrous glass reinforced plastic, without air or spray system.
- 160.035/537/0 9.4m, Mk IV(S), 76 Person, with air and spray (fire protected), totally enclosed, GRP, with Thornycroft 152 engine (55 bhp @ 3000 rpm). Complies with SOLAS 74/83, Chapter III, Reg 46.
- 160.035/538/1 6.5 m x 2.25 m x 2.275 m, Mk V, 32 person, fiberglass reinforced plastic, totally enclosed, fire-protected lifeboat/rescue boat. Formerly Watercraft America.
- 160.035/540/0 9.4m, Mk IV(S), 76 Person, without air and spray, totally enclosed, GRP, with Thornycroft 152 engine (55 bhp @ 3000 rpm) Complies with SOLAS 74/83, Chapter III, Reg 44.
- 160.035/544/0 8.5m, Mk V, 62 Person, without air or spray, totally enclosed, GRP, with Volvo 2003T engine. Complies with SOLAS 74/83, Chapter III, Reg 44. Weights: Condition "A" = 3283 Kg, Condition "B" = 8925 Kg.
- 160.035/547/0 7.5m, Mk IV, 50 person, totally enclosed, GRP, Volvo 2003T engine, with air and water spray (fire protected). Weights: Condition "A" = 3918 Kg (8620 lb) Condition "B" = 8256 Kg (18165 lb).
- 160.035/553/0 8.5m, Mk V, 62 Person, with air and spray (fire protected), totally enclosed, GRP, with Volvo 2003T engine. Complies with SOLAS 74/83, Chapter III, Reg 46.
- 160.035/554/0 7.5m, Mk IV, 50 person, totally enclosed, GRP, Volvo 2003T engine, without air or water spray (non-fire protected). Weights: Condition "A" = 3426 kg (7538 lb), Condition "B" = 7765 kg (17083 lb).
- Schat Watercraft Ltd., Munny Road, Gosport, Hampshire, United Kingdom PO12 1AE
- 160.035/530/0 9.4 m, Mk IV, 80 person, without air and spray, totally enclosed, FRP, with ARS/FSD425 diesel engine (previously Thornycroft 152). Complies with SOLAS 74/83, Chapter III, Reg. 44.
- 160.035/534/0 9.4m, Mk IV(S), 76 Person, without air and spray, totally enclosed, GRP, with Thornycroft 152 engine (55 bhp @ 3000 rpm). Complies with SOLAS 74/83, Chapter III, Reg 44.
- 160.035/535/0 6.5 m x 2.25 m x 2.275 m, Mk V fibrous glass reinforced plastic, totally enclosed, fire protected, 32-person capacity.
- 160.035/536/0 9.4m, Mk IV(S), 76 Person, with air and spray (fire protected), totally enclosed, GRP, with Thornycroft 152 engine (55 bhp @ 3000 rpm). Complies with SOLAS 74/83, Chapter III, Reg 46.
- 160.035/543/1 8.5m, Mk V, 62 Person, without air or spray, totally enclosed, GRP, with Volvo 2003T engine. Complies with SOLAS 74/83, Chapter III, Reg 44. Weights: Condition "A" = 3283 Kg, Condition "B" = 8925 kg.
- 160.035/548/0 7.5m, Mk IV, 50 person, totally enclosed, GRP, Volvo 2003T engine, with air and water spray (fire protected). Weights: Condition "A" = 3918 kg (8620 lb) Condition "B" = 8256 kg (18165 lb).
- 160.035/551/1 8.5m, Mk V, 62 Person, with air and spray (fire protected), totally enclosed, GRP, with Volvo 2003T engine. Complies with SOLAS 74/83, Chapter III, Reg 46.
- 160.035/555/0 7.5m, Mk IV, 50 person, totally enclosed, GRP, Volvo 2003T engine, without air and water spray (non-fire protected). Weights: Condition "A" = 3426 kg (7538 lb), Condition "B" = 7765 kg (17083 lb).

LIFESAVING EQUIPMENT

Survival Systems International, 34140 Valley Center Road, P.O. Box 1855, Valley Center, CA 92082

160.035/465/2 14.0 ft diameter x 4.8 ft depth fibrous glass reinforced plastic (FRP), motor-propelled, totally enclosed survival capsule, 28-person capacity.

160.035/474/7 Model 1401 survival capsule, 11.2' diameter x 3.35' depth, FRP, motor-propelled, totally enclosed, 14-person capacity. Optional H2S system.

160.035/495/0 Model CA3400, 19.0' x 12.5' x 4.54' fibrous glass reinforced plastic motor propelled, totally enclosed survival capsule.

160.035/500/3 Model CA 5400, 6 m x 4.25 m x 1.55 m FRP, motor propelled, totally encl. survival capsule, without radio cabin or searchlight (Class 1), 54 person capacity. 46 CFR 160.035-13(c) marking - Weights: Condition "A" = 3,560 kg (7,832 lb), "B" = 8,255 kg (18,161 lb).

160.035/501/4 Model CA3600, 19'x12'x4.54' FRP, 36 or 38 person, totally enclosed, motor propelled, w/o radio cabin or searchlight (Class 1).

160.035/506/2 Model CA 2100, 4.4m x 3.2m x 1.4m (14.5'x10.5'x4.5').

160.035/509/2 Model CA 2100, 4.4m x 3.2m x 1.4m (14.5'x10.5'x4.5'). Totally enclosed. 21 person. Perkins Prima M50 engine. Without radio cabin or searchlight.

160.035/541/1 Model CA 5400, 6m x 4.25 m x 1.55 GRP, 50 person, totally enclosed, meets SOLAS 74/83, Regulation III/44. Optional H2S System. Weights: Condition "A" = 3,975 kg (8,744 lb), Condition "B" = 8,273 kg (18,200 lb).

160.035/542/1 Model CA 3600, 19' x 12' x 4.54' FRP, 36 person, totally enclosed, meets SOLAS 74/83, Regulation III/44. Optional H2S System. Weights: Condition "A" = 7,769 lb, Condition "B" = 14,794 lb.

160.035/557/0 Model CA 2100, 4.4m x 3.2m x 1.4m (14.5'x10.5'x4.5'). 21 person capacity. Perkins Prima M50 engine. Marking - Weights: Condition "A" = 2680 Kg (5,910 lb), Condition "B" = 4651 Kg (10,255 lb).

Welin Boat and Davit Division, Lake Shore, Inc., Iron Mountain, MI 49801

160.035/469/0 26.0 ft x 9.0 ft x 3.83 ft fibrous glass reinforced plastic (FRP), oar-propelled, 53 person capacity.

Lifeboat Diesel Engines

The following diesel engines are accepted for use in Coast Guard approved lifeboats, tested and found to comply with 20°F starting requirement without aids. Required starting systems and auxiliary equipment are listed. Additional starting systems and aids may be provided as an option.

Engine Technology, Inc., 704 Ginesi Drive, Morganville, NJ 07751

Farymann R30M, hand crank starting.
Farymann P30M, hand crank starting.
Farymann S30M, hand crank starting.
Bukh DV20RME, hand crank starting.

Lister-Petier, Inc., 555 E. 56 Highway, P. O. Box 1160, Olathe, KS 66061

Lister HRW2M, hand crank starting or American Bosch Hydrotor Starting.
Lister STW2M, hand crank starting or American Bosch Hydrotor Starting.
Lister STW3M, hand crank starting or American Bosch Hydrotor Starting.
Lister TS-1-MGR, hand crank starting, no aids required.
Lister TS-2-MGR, hand crank starting, no aids required.
Lister TS-3-MGR, hand crank starting, no aids required.

Charles E. Smith Co, Inc., 16872 Milliken Ave., Irvine, CA 92714

Perkins 4.154 with Densifier, American Bosch Hydrotor Starting.
Perkins 4.108 with Densifier, American Bosch Hydrotor Starting.

Sabb Motor A/S, P.O. Box 2728, 5010 Bergen, Norway

U.S. rep: Sabb America, P.O. Box 70139, Seattle, WA 98107

Sabb GAG, with excess fuel device and hand crank starting.

Sabb M4.295GR with American Bosch Hydrotor starting, no aids required.

EQUIPMENT LISTS

J.H. Westerbeke Corp., Avon Industrial Park, Avon, MA 02322
 Westerbeke LB-40 (formerly 4-107) with Lubcell, American Bosch Hydrotor Starting.
 Westerbeke LB-49 with Lubcell, American Bosch Hydrotor Starting.
 Westerbeke Pilot 20 with Lubcell, American Bosch Hydrotor Starting.

The following diesel engines are accepted for use in Coast Guard approved lifeboats, tested and found to comply with 5°F starting requirement with starting aids as indicated. Required starting systems and auxiliary equipment are listed. Additional starting systems and aids may be provided as an option.

Diesel Impex Corporation, 10032 Marguex Drive, Orlando, FL 32825
 Bukh DV36RME, hand crank starting (no aids required).
 Bukh DV48RME, hand crank starting (no aids required).
 Bukh DV24RME, hand/electric starting with liquid pilot start.
 Bukh DV20RME, hand/electric starting with liquid pilot start.

Lister-Petler, Inc., 555 E. 56 Highway, P. O. Box 1160, Olathe, KS 66061
 Lister TS-1-MGR, hand crank starting, no aids required.
 Lister TS-2-MGR, hand crank starting, no aids required.
 Lister TS-3-MGR, hand crank starting, no aids required.
 Petter AC2WM "Mini-Twin", with electric starting, installed oil primers and KBI Diesel Start System. Boat must carry one full spare container of starting fluid.

Southeast Diesel Corp., 10626 Phillips Hwy., Jacksonville, FL 32224
 Perkins 4.108 with Turner (ether) Quick Start, American Bosch Hydrotor Starting. Boat must carry one full spare Quick Start cartridge.

Sabb Motor A/S, P.O. Box 2728, 5010 Bergen, Norway
 U.S. rep: Sabb America, P.O. Box 70139, Seattle, WA 98107
 Sabb 2JRG/2JHR, with Start Pilot and electric starting. Boat must carry one full spare container of Start Pilot.
 Sabb GAG, with excess fuel device and electric starting.
 Sabb M4.295 GR with heater plugs and electric starting.

J.H. Westerbeke Corp., Avon Industrial Park, Avon, MA 02322
 Westerbeke W80-LB with Lubcell, Turner (ether) Quick Start, and American Bosch Hydrotor Starting. Boat must carry one full spare Quick Start cartridge.

SOLAS 74/83 (160.135) Lifeboat Diesel Engines

A. R. S. Marine Limited (Anglian Diesels), 1 Langley Road, Chedgrave, Loddon, Norwich, Norfolk NR14 6BN, UNITED KINGDOM
 ARS/FSD425 Marine Diesel Engine (previously Thornycroft 152), 50 kw @ 4000 rpm, electric start, 24V/77 amp-hr or 12V/55 amp-hr battery.

Cummins Marine, 4500 Leeds Ave., Suite 301, Charleston SC 29405
 Cummins Engine Co., Inc, 601 Madison Street #200, Alexandria, VA 22314
 6BT5.9-M; 157 kW @ 2600 rpm; turbocharged.
 6BTA5.9-M1; 187 kW @ 2600 rpm; t/charged w/after cooler.
 6BTA5.9-M2; 223 kW @ 2800 rpm; t/charged w/after cooler.
 Note: All engines to be equipped equivalent to the tested engine as follows: Start aid - electric heater coil #3913348; Battery capacity as recommended by Cummins based on 12 or 24 volt system requirements to meet SOLAS cold start specifications.

Diesel Impex Corporation, 10032 Marguex Drive, Orlando, FL 32825
 Bukh DV48RME. 4 cyl, 4 stroke, watercooled, 48 bhp/35.3 Kw @ 3600 rpm.
 Bukh DV36RME. 3 cyl, 4 stroke, watercooled, 36 bhp/26.5 Kw @ 3600 rpm.
 Bukh DV24RME. 2 cyl, 4 stroke, watercooled, 24 bhp/17.6 Kw @ 3600 rpm.
 Note: All engines to be equipped equivalent to the tested engine as follows: A permanently fixed starting aid system in the form of VISO F START PILOT. Battery capacity as recommended by engine manufacturer to meet SOLAS cold start specifications.

LIFESAVING EQUIPMENT

Lister Petter Marine, Hawker Siddley Marine, Thrupp Stroud, Gloucestershire GL5 2BW, England
 U.S. rep: Lister Petter Inc., 555 E. 56 Highway, P.O. Box 1160, Olathe, KS 66061
 Lister STW2 MGR, 30 BHP @ 3000 RPM, with electric and hand crank starting.
 Lister STW3 MGR, 40 BHP @ 2800 RPM, with electric and hand crank starting.
 Lister-Petter LPW2LB, identical to SABB L2.093LB.
 Lister-Petter LPW3LB, identical to SABB L3.139LB.
 Lister-Petter LPW4LB, identical to SABB L4.186LB.

Perkins Power Sales and Service Limited, Peterborough PE1 5NA, ENGLAND

Prima M80T, 78 bhp/58 kw @ 4,500 rpm; 12 V/1.8 kw LUCAS MARINE electric starter; 12V/70amp LUCAS MARINE alternator; 12V/96 amp hour/440 cold crank amps battery; HURTH HBW250 reduction gear; 4 glow plugs @ 20 sec, 20 amp, 11 volts each.
 Prima M60, 59 bhp/44 kw @ 4,000 rpm; 12 V/1.8 kw LUCAS MARINE electric starter; 12V/70amp LUCAS MARINE alternator; 12V/96 amp hour/440 cold crank amps battery; HURTH HBW250 reduction gear; 4 glow plugs @ 20 sec, 20 amp, 11 volts each.
 Prima M50, 49 bhp/37 kw @ 3,000 rpm; 12 V/1.8 kw LUCAS MARINE electric starter; 12V/70amp LUCAS MARINE alternator; 12V/96 amp hour/440 cold crank amps battery; HURTH HBW10 reduction gear; 4 glow plugs @ 20 sec, 20 amp, 11 volts each.
 Perama M30, 29 bhp/21 kw @ 3,600 rpm; 12 V/1.2 kw NIPPON DENSO electric starter; 12V/55amp LUCAS MARINE alternator; 12V/70 amp hour/340 cold crank amps battery; HURTH HBW50 reduction gear; Glow plug 12 volts, 27 amp.

Sabb Motor A/S, P.O. Box 2728, 5010 Bergen, Norway

U.S. rep: Sabb America, P.O. Box 70139, Seattle, WA 98107

Sabb 2JRG/2JHR, with Start Pilot and electric starting. Boat must carry one full spare container of Start Pilot.

Sabb M4.295 GR with heater plugs and electric starting.

Sabb M4.295 GR with American Bosch Hydrotor starting and Start Pilot. Boat must carry one full spare

container of Start Pilot.

SABB L2.093LB, 13.2 Kw / 18 bhp continuous @ 3000 rpm; 1.7Kw sealed LUCAS MARINE electric starter; HURTH reduction gear and permanently sealed flywheel housing; and 345w electric glow plug in air inlet manifold.

SABB L3.139LB, 19.8 Kw / 27 bhp continuous @ 3000 rpm, configured as above.

SABB L4.186LB, 26.5 Kw / 36 bhp continuous @ 3000 rpm, configured as above, but with two 345w glow plugs.

Survival Systems International, 34140 Valley Center Road, P.O. Box 1855, Valley Center, CA 92082

Perkins 4.108 with Turner (ether) Quick-Start, American Bosch Hydrotor Starting. Boat must carry one full spare Quick Start cartridge.

Perkins 4.154 with Turner (ether) Quick-Start, American Bosch Hydrotor Starting. Boat must carry one full spare Quick Start cartridge.

Volvo Penta of America, 1300 Volvo Penta Drive, Chesapeake, VA 23320

Volvo Penta #2003T (SOLAS version), 4 stroke, 3 cyl, Turbo-charged, 34 Kw @ 3200 rpm, with intake air preheater (electric 12V, 1.5Kw), and starter battery 12 V, 88 Ah.

Volvo Penta #2003, non turbo-charged, 21.5 Kw @ 3200 rpm, configured as above.

Volvo Penta TAMD 41 only with starting and heating systems as specified in G-MVT-3 ltr 16714/162.101/Volvo Penta dtd 13 Jul 1988.

Volvo Penta TAMD 31, 4 stroke direct injection, 4 cyl, 98 Kw @ 3800 rpm. Engine must be configured to SOLAS 74/83 specification with 2*12V, 152 Ah battery per battery group, 2.5 Kw starter motor, and 4*360W glow plugs for preheating.

Volvo Penta TMD 22 A identical to Perkins Prima M80T, 78 bhp/58 kw @ 4,500 rpm and configured to meet SOLAS cold start provisions.

Volvo Penta MD 22 A identical to Perkins Prima M60, 59 bhp/44 kw @ 4,000 rpm and configured to meet SOLAS cold start provisions.

Volvo Penta MD 22 L-A identical to Perkins Prima M50, 49 bhp/37 kw @ 3,000 rpm and configured to meet SOLAS cold start provisions.

Volvo Penta MD 2030 A identical to Perkins Perama M30, 29 bhp/21 kw @ 3,600 rpm and configured to meet SOLAS cold start provisions.

EQUIPMENT LISTS

Fire Retardant Polyester Laminating Resins

*Fire retardant resins meeting MIL-R-21607 and MIL-R-7575 after one year outdoor weathering, for use in Coast Guard approved lifeboats and related items. All Grade 1 Class A, * denotes Grade 2 Class A also.*

Advance Coatings Company, Depot Road, Westminster, MA 01473
Advaco #3510.

Ashland Chemical Company, Resins and Plastics Division, P.O. Box 2219, Columbus, OH 43216
Hetron 92, Hetron 355, Hetron 24370, Hetron 27196, Hetron 28429, Hetron 692, Hetron 692T, Hetron 692 TP.

Cargill Chemical Products Division, 2801 Lynwood Road, Lynwood, CA 90262
8533 Polyester Resin.

ICI Americas, C.R.P., Wilmington, DE 19897
ATLAC 792.

Interplastic Corp., 2015 N.E. Broadway, Minneapolis, MN 55413
CoRezyn 105-58.

Jotun Polymer A.S., Technical Service and Development, P.O. Box 2061, N-3235 Sandefjord, Norway
NORPOL PX 7342.

Koppers Company, Inc., Organic Materials Group, Pittsburgh, PA 15219
Dion 6395*, Dion 6395T, Dion 6431, Dion 6692*, Dion 6692T, Dion 6692TSD, Dion 601, Koplac 3403.

Reichold Chemicals, Inc., RCI Building, White Plains, NY 10602
Polylite 33-440, Polylite 33-441, Polylite 33-442, Polylite 94-179 (var. of 33-441).

Scott Bader Company Limited, Wollaston, Wellingborough, Northamptonshire NN8 7R1, England
Crystic 302.

Silmar Division, Vestron Corporation, 12335 South Van Ness Avenue, Hawthorne, CA 90250
Silmar S-517, Silmar S-517A, Silmar S-517B.

USS Chemicals Div. of United States Steel, Polyester Unit, 1605 Elizabeth Avenue West, Linden, NJ 07036
Laminac EPX-187, MR 357, MR 12165.

Polyurethane Buoyancy Material

Polyurethane buoyancy material meeting MIL-P-21929 "Plastic Material, Cellular, Polyurethane, Rigid, Foam-in-Place, Low Density" for use in Coast Guard approved lifeboats, life floats, and buoyant apparatus.

BASF Corp., 1419 Biddle Ave., Myandotte, MI 48192-3736
Autofroth 9212.

Baxenden Chemical Co. Ltd., Paragon Works, Accrington, Lancashire BB5 2SL, England
isofoam RM118M.

Burtin Corporation, 2550 Garnesey Street, Santa Ana, CA 92707
BUC-400, BUC-250.

LIFESAVING EQUIPMENT

Carpenter Insulation & Coatings Company, 2400 Jefferson Davis Highway, P.O. Box 27205, Richmond, VA 23261
C-100A or C-101A/C-410B.

Cook Paint and Varnish Co., P.O. Box 389, Kansas City, MO 64141
#333, #351, #438, #812, #820.

CPR Division of the Upjohn Co., 555 Alaska Avenue, Torrance, CA 90503
CPR-483.

Flexible Products Company, 1225 Industrial Park Drive, P.O. Box 996, Marietta, GA 30060
Flexipol NP-19, Flexipol NP-20, Flexipol NP-920-2.5, Flexipol NP-1423.

Foamcraft Inc., 6235 So. McIntosh Road, Sarasota, FL 34238
NP-311-1.8, NDTP-311-1.8.

Foamseal Urethane Technology, P. O. Box 455, 2425 North Lapeer Road, Oxford, MI 48051
P3717/FSA.

Foam Supplies, Inc., 1510 Page Industrial Blvd., St. Louis, MO 63132
C3-1.8PUF.

General Latex & Chemical Corp. (of Ohio), P.O. Box 498, Ashland, OH 44805
Vultrafroth XRV-1542.

IPI Inc., Isocyanate Products Inc., P.O. Box 70, Elkton, MD 21921
Isofoam PE 2, Isofoam R-0379A/R-0380B, Isofoam R-0788 A/B, Isofoam R-0907 A/B, Isofoam R-1119,
Isofoam SS-0893, Isofoam R-1267, Isofoam R-1296, Isofoam R-1322.

Isotec International, Inc., 11500 South Main St., Suite 150, Houston, TX 77025
Isotec P-2020, Isotec P-2045, Isotec S-2004 Lex, WBI 20045-475, CBI 2025-489.

Marchem Corporation, 2500 Adie Road, Maryland Heights, MO 63043-3525
Mistafroth S8137/H8439, Mistafroth S8512/H8616.

Polymer Development Labs Inc., 212 West Taft Avenue, Orange, CA 92665
PDL 801-2.0, PDL 801-2PV, PDL 729-2, PDL 1801-2.

Resin Technology Corp., 2270 Castle Harbor Place, Ontario, CA 91761
RT 5010-2.0, RT-5050.

Stepan Chemical Company, Edens and Winnetka, Northfield, IL 60093
Expandofoam R112/R226, Stepanfoam BX289N, Stepanfoam H402N, Stepanfoam RS-9368, Stepanfoam RI-
9369, Stepanfoam RI-9301.

SWD Urethane Company, 222 South Date, Mesa, AZ 85201
AW 307-2.

Urethane Products Corporation, 17007 South Broadway, Gardena, CA 90248
THR-50.

EQUIPMENT LISTS

160.036 SIGNALS, DISTRESS, HAND-HELD ROCKET-PROPELLED PARACHUTE RED FLARE

See approvals under 160.136 series also.

Comet GmbH, Postfach 10-02-67, D-2850 Bremerhaven 1, Federal Republic of Germany
160.036/15/0 Article No. 1232, parachute signal rocket, red, 40,000 candela.

Norabel AB, P.O. Box 93, S-427 00 Billdal, Sweden.

160.036/12/0 Ikaros Original Hand Held Rocket-Propelled Red Flare Distress Signal, 40,000 candela, 40 second burn time, 300 meter altitude.

Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom

160.036/13/0 Pains-Wessex Para Red MK 3 and Kilgore Proteus III Hand Held Red Parachute Rocket, 30,000 candela, 40 second burn time, 300 meter altitude.

160.036/14/0 Schermuly Para Red MK 3, 30,000 candela, 40 second burn time, 300 meter altitude.

160.037 SIGNALS, DISTRESS, HAND ORANGE SMOKE

Bristol Flare Corporation, 2975 State Road, P.O. Box 540, Bristol, PA 19007

160.037/4/1 Bristol Marine Hand Orange Smoke Distress Signal, 50 second burn time.

Kilgore Corp., Bradford Road, Toone, TN 38381-0099

160.037/20/0 Hand held orange smoke distress signal.

Orion Marine Signal Products, Div. Of Std. Fusee Corp., P.O. Box 107, Peru, IN 46970

160.037/17/1 Orion Hand Orange Smoke Distress Signal, 50 second burn time.

160.040 LINE-THROWING APPLIANCES, IMPULSE-PROJECTED ROCKET TYPE (AND EQUIPMENT)

Line-throwing appliances approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention.

Comet GmbH, Postfach 10-02-67, D-2850 Bremerhaven 1, Federal Republic of Germany

160.040/11/0 Article No. 1104, 250 m range.

Norabel AB, P.O. Box 93, S-427 00 Billdal, Sweden

160.040/9/0 Ikaros-Line Impulse Rocket Projected Line Throwing Device.

Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom

160.040/10/0 Pains-Wessex/Schermuly Speedline 250, 230 meter distance.

160.041 KITS, FIRST-AID (FOR LIFEBOATS)

Acme/Chaston, Lake Road, Dayville, CT 06241

160.041/18/0 First Aid Kit for Lifeboats in Hermsdorf Plastic Case.

Datrex, Inc., P.O. Box 1150, Kinder, LA 70648

160.041/17/1 Lifeboat First Aid Kit model BQ0400M.

Eastern Safety Equipment Co., Inc., 59-20 56th Avenue, Maspeth, NY 11378

160.041/13/1 Model 3200G Lifeboat First Aid Kit.

F & L Packing Corp., 681 Main St., Belleville, NJ 07109

160.041/9/0 F & L Model 224-9 Lifeboat First Aid Kit in standard metal box.

160.041/10/0 F & L Model 224-10 Lifeboat First Aid Kit in non-standard hinged plastic box inside vinyl pouch with roll-up Velcro closure. Units in kit packed by Pac-Kit, Norwalk, CT.

160.041/11/0 F & L Model 224-11 Lifeboat First Aid Kit in non-standard friction closing poly box inside vinyl pouch with roll-up Velcro closure. Units in kit packed by Pac-Kit, Norwalk, CT.

LIFESAVING EQUIPMENT

Healer Products Inc., P.O. Box 153, Mamaroneck, NY 10543
160.041/16/0 Healer First Aid Kit in ABS plastic case.

North Health Care, 1515 Elmwood Rd., Rockford, IL 61101
160.041/3/2 First Aid Kit, Model 01-16-05.
160.041/15/0 First Aid Kit, Model 01-16-07, plastic container.

Pac-Kit Safety Equipment Division, K W Griffin Co, 100 Pearl Street, Norwalk, CT 07850
160.041/6/0 Model No. 24 L.B.

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, NY 10001
160.041/12/1 Model 181 First Aid Kit for lifeboats.

Scott Aviation, A Figgie International Co., 225 Erie Street, Lancaster, NY 14086
160.041/2/2 First Aid Kit, Model 73650-01.

160.043 JACKKNIFE (WITH CAN OPENER)

Camillus Cutlery Company, 54 Main Street, Camillus, New York, NY 13031
160.043/1/0 Type S702 Jackknife (with can opener), Dwg. No. 1160 dated 11 August 1950.

Datrex, Inc., P.O. Box 1150, Kinder, LA 70648
160.043/B5/0 DATREX jackknife (with can opener).

F & L Packing Corp., 681 Main St., Belleville, NJ 07109
160.043/A5/0 F & L Packing Corporation jackknife (with can opener).

Melflo Marketing Consultants, 419 Ashbourne Road, Elkins Park, PA 19117
160.043/5/0 MELFLO MARKETING CONSULTANTS jackknife (with can opener).

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, NY 10001
160.043/4/0 Revere Survival Products Jackknife (with can opener).

160.044 PUMPS, LIFEBOAT BILGE

Beckson Manufacturing, Inc., P.O. Box 336, Bridgeport, CT 06605
160.044/14/0 Size 3 lifeboat bilge pump, Model BM-519CG.

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, NY 10001
160.044/18/0 Size 2 lifeboat bilge pump, Henderson P7/L MKV T/A model.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759
160.044/16/0 Size No. 2 lifeboat bilge pump, Henderson P7/L MKV T/A model. This approval limited to glass-filled nylon body. Manufactured by Henderson Pumps and Equipment Ltd., Old Belfast Road, Bangor, Northern Ireland, BT19 1LT.
160.044/19/0 Size No. 3 Lifeboat Bilge Pump. Henderson Mark V double chamber pump.
160.044/20/0 Size No. 2 Lifeboat Bilge Pump Henderson Mark V single chamber pump.

160.046 EMERGENCY PROVISIONS

Atlantic Aero Marine, Supply And Mfg. Ltd, PO Box 1312, Dartmouth, Nova Scotia, Canada B23 4B8
160.046/A17/0 SOS Emergency Food ration for lifeboats and liferafts in sealed foil laminate packaging (2520 calories).

Datrex, Inc., P. O. Box 1150, Kinder, LA 70648
160.046/19/0 Emergency Ration in hermetically sealed foil laminate package, 15,075 kJ (3600 calories) net weight 684 grams (24.1 ounces).
160.046/21/0 Emergency Ration in hermetically sealed foil laminate package, 10000 kJ (2400 calories), weight 456 grams (16.1 ounces).

F & L Packing Corp., 681 Main St., Belleville, NJ 07109
160.046/12/0 Emergency provisions for lifeboats & liferafts, in hermetically sealed foil laminate package.

EQUIPMENT LISTS

160.046/16/0 Newtro 1200 ration package, 8.5 oz (242.85 gm), 5207.6 kJ (1228.5 calories), in hermetically sealed can.

160.046/18/0 Newtro 2400 ration, 17 oz (485.7 gm), 10,195 kJ (2415 calories), in hermetically sealed foil pouch.

Koninklijke Verkade N. V., Westzijde 103, 1506 Ga Zaandam, Netherlands

160.046/3/0 Verkade Survival Ration in hermetically sealed, vacuum packed foil laminate package inside a cardboard box, 20,400 kJ (4,850 calories).

160.046/4/0 Verkade Survival Ration in hermetically sealed, vacuum packed foil laminate package inside a cardboard box, 10,200 kJ (2,425 calories).

Mainstay Products Inc., 2551 Azurite Circle, Newbury, CA 91320

160.046/20/0 Mainstay Emergency Food Rations in hermetically sealed foil laminate package, 15,000 kJ (3600 calories), net weight 680 grams (24 ounces).

160.046/23/0 Mainstay 2400 Emergency Food Rations in hermetically sealed, vacuum packed, foil laminate package, 10,000 kJ (2400 calories).

Property Guard Int'l Corp., 21356 Nordoff St., Ste. 103, Chatsworth, CA 91311

160.046/A2/0 Survivorfood Emergency Food Rations in hermetically sealed foil laminate package, 15,000 kJ (3600 calories), net weight 680 grams (24 ounces).

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, NY 10001

160.046/8/3 Emergency food ration in hermetically sealed foil laminate package, 15,000 kJ (3600 calories), net weight 737.2 grams (26 ounces).

160.046/9/3 Emergency Food Ration in hermetically sealed foil laminate package, 10,000 kJ (2400 calories), net weight 510.3 grams (18 ounces).

SOS Food Labs, Inc., 351-1/2 Passaic Street, Passaic, NJ 07055

160.046/13/0 S.O.S Survival Food Packet for lifesaving craft in foil laminate package, 15,120 kJ (3600 calories).

160.046/17/0 S.O.S. Emergency Food ration for lifeboats and life rafts in hermetically sealed foil laminate package, 10,600 kJ (2520 calories).

160.047 BUOYANT VESTS, TYPE II PFD'S, KAPOK OR FIBROUS GLASS

Approved for use on all recreational boats and uninspected commercial vessels less than 40 feet in length, not carrying passengers for hire.

Kent Sporting Goods Co., 433 Park Avenue South, State Route 60, New London, OH 44851

160.047/647/0 Type II Kapok Buoyant Vest, Adult, Model AK-1.

160.047/648/0 Type II Kapok Buoyant Vest, Child Medium (50 to 90 lb), Model CKM-1.

160.047/649/0 Type II Kapok Buoyant Vest, Child Small (under 50 lb), Model CKS-1.

160.047/657/0 Type II Buoyant Vest, Adult, Model AK-1.

The Safeguard Corp., P.O. Box 2004, Covington, KY 41012

160.047/312/0 Model AK-1, Adult, standard kapok "BUOYANT VEST", Type II PFD.

160.047/313/0 Model CKM-1, Child medium, "BUOYANT VEST", Type II PFD.

160.047/314/1 Model CKS-S, Child Small, "NEAR SHORE BUOYANT VEST", Type II PFD.

160.048 BUOYANT CUSHIONS, KAPOK OR FIBROUS GLASS, TYPE IV PFD'S

Crawford Manufacturing Co., Inc., Third & Decatur Streets, Richmond, VA 23212

160.048/57/0 Type IV Buoyant Cushion, Group approval.

Kent Sporting Goods Co., 433 Park Avenue South, State Route 60, New London, OH 44851

160.048/76/2 Type IV Buoyant Cushion, Group approval.

160.048/219/1 Type IV Buoyant Cushion, Model 8728.

160.048/264/0 Type IV Buoyant Cushion, Model 8038.

160.048/265/0 Model K, 16 by 14-1/2 by 2-3/4 inches, "BUOYANT CUSHION", Type IV PFD.

The Safeguard Corp., P.O. Box 2004, Covington, KY 41012

160.048/18/0 Type IV Buoyant Cushion, Group approval.

LIFESAVING EQUIPMENT

160.049 BUOYANT CUSHIONS, UNICELLULAR PLASTIC FOAM,
TYPE IV PFD'S

Coleman Outdoor Products Inc., Hwy 341 E, P.O. Box 1119, Lake City, SC 29560
160.049/274/0 Type IV Buoyant Cushion, Model C-1.

Wellington Leisure Products Inc., 1140 Monticello Hwy, P.O. Box 244, Madison, GA 30650
160.049/261/2 Model S9946, 15" by 15" by 2-3/4", "BUOYANT CUSHION", Type IV PFD.

160.050 BUOYS, LIFE RING, UNICELLULAR PLASTIC FOAM,
TYPE IV PFD'S

See approvals under 160.150 series also.

A. J. Giammanco & Associates Inc., Rte 6 Box 972, Palatka, FL 32177
160.050/144/0 Models C-24-0, and C-24-W, 61 cm (24 inch), "LIFE RING", Type IV PFD.

Billy Pugh Co., Inc., 1510 North Broadway, P.O. Box 802, Corpus Christi, TX 78403
160.050/120/0 Model A-301, 30 inches (becketless), vinyl covered unicellular plastic foam "LIFE RING BUOY", Type IV PFD.
160.050/121/0 Model A-241, 24 inches (becketless), vinyl covered unicellular plastic foam "LIFE RING BUOY", Type IV PFD.

Cal-June Corporation, P.O. Box 9551, North Hollywood, CA 91609-1551
160.050/48/2 Model GW-20, 20-inch, white vinyl-coated unicellular plastic foam "LIFE RING BUOY", Type IV PFD.
160.050/50/2 Model GW-24, 24-inch, white vinyl-coated unicellular plastic foam "LIFE RING BOUY", Type IV PFD.
160.050/60/2 Model GWX-24, 24-inch, white becketless vinyl-coated unicellular plastic foam "LIFE RING BUOY", Type IV PFD.
160.050/61/2 Model GWX-20, 20-inch, white becketless vinyl-coated unicellular plastic foam "LIFE RING BUOY", Type IV PFD.
160.050/102/1 Model GOX-20, 20-inch, orange becketless vinyl-coated unicellular plastic foam "LIFE RING BUOY", Type IV PFD.
160.050/103/1 Model GOX-24, 24-inch, orange becketless vinyl-coated unicellular plastic foam "LIFE RING BUOY", Type IV PFD.
160.050/104/1 Model GX-30, 30-inch, becketless vinyl-coated unicellular plastic foam "LIFE RING BUOY", Type IV PFD.
160.050/105/1 Model GO-20, 20-inch, orange vinyl-coated unicellular plastic foam "LIFE RING BUOY", Type IV PFD.
160.050/106/1 Model GO-24, 24-inch, orange vinyl-coated unicellular plastic foam "LIFE RING BUOY", Type IV PFD.
160.050/107/1 Model G-30, 30-inch, vinyl-coated unicellular plastic foam "LIFE RING BUOY", Type IV PFD.
160.050/116/1 Model R-30, 30-inch, vinyl-coated-nylon fabric-covered, unicellular plastic foam "LIFE RING BUOY", Type IV PFD.
160.050/125/0 Model SO-30, 30-inch, life ring buoy "throwable device", Type IV PFD.
160.050/126/0 Model SOH-30, 30-inch, "Throwable device", Type IV PFD.
160.050/135/0 Model JBS0-30, 30-inch, "RING BUOY", Type IV PFD.
160.050/136/0 Model JBS0H-30, 30-inch, "RING BUOY", Type IV PFD.
160.050/138/0 Model JB-30, 30-inch, "RING BUOY", Type IV PFD.
160.050/139/0 Model JBX-30, 30-inches, "RING BUOY", Type IV PFD.
160.050/140/0 Model JB-24, 24-inch, "RING BUOY", Type IV PFD.
160.050/141/0 Model JBX-24, 24-inch, "RING BUOY", Type IV PFD.
160.050/142/0 Model JB-20, 20-inch, "RING BUOY", Type IV PFD.
160.050/143/0 Model JBX-20, 20-inch, "RING BUOY", Type IV PFD.
160.050/145/0 Model JB-20W, 51 cm (20 inch), white "RING LIFE BUOY", Type IV PFD.
160.050/146/0 Model JBX-20W, 51 cm (20 inch), white "RING LIFE BUOY", Type IV PFD.
160.050/147/0 Model JB-24W, 61 cm (24 inch), white "RING LIFE BUOY", Type IV PFD.
160.050/148/0 Model JBX-24W, 61 cm (24 inch), white "RING LIFE BUOY", Type IV PFD.
160.050/149/0 Model JB-30W, 75 cm (30 inch), white "RING LIFE BUOY", Type IV PFD.
160.050/150/0 Model JBX-30W, 75 cm (30 inch), white "RING LIFE BUOY", Type IV PFD.

EQUIPMENT LISTS

Datrex, Inc., P.O. Box 1150, Kinder, Louisiana 70648
 160.050/124/0 Model DX0300D, 75 cm (30-inch), "THROWABLE DEVICE", Nonstandard Type IV PFD.
 Meets SOLAS 74/83.
 160.050/127/0 Model DX0325D, 75 cm (30-inch), "THROWABLE DEVICE", Nonstandard Type IV PFD.
 Meets SOLAS 74/83.
 160.050/128/0 Model DX0340D, 75 cm (30-inch), "THROWABLE DEVICE", Nonstandard Type IV PFD.
 Meets SOLAS 74/83. Meets SOLAS 4 kg weight requirements for use with quick release lights and smoke signals.

Plasti-Kraft Corporation, Ozona Industrial Park, Ozona, FL 33560

160.050/84/0 Type IV, Ring Life Buoy, 20 inch.
 160.050/85/0 Type IV, Ring Life Buoy, 24 inch.
 160.050/86/0 Type IV, Ring Life Buoy, 30 inch.

Polyfoam Packers Corporation, Coated Marine Products Division, 2320 South Foster Ave., Wheeling, IL 60090
 160.050/110/0 Model A20, 20-inch, vinyl dipped unicellular polystyrene plastic foam "RING BUOY", Type IV PFD.
 160.050/111/0 Model A24, 24-inch vinyl dipped unicellular polystyrene plastic foam "RING BUOY", Type IV PFD.
 160.050/112/0 Model A30, 30-inch, vinyl dipped unicellular polystyrene plastic foam "RING BUOY", Type IV PFD.

Recreonics Corp., 1635 Expo Lane, Indianapolis, IN 46224

160.050/A60/2 Type IV, Ring Life Buoy 24 inch, Model GX-24.
 160.050/A61/2 Type IV, Ring Life Buoy 20 inch, Model GX-20.
 160.050/A102/1 Type IV, Ring Life Buoy 20 inch, Model GX-20.
 160.050/A103/1 Type IV, Ring Life Buoy 24 inch, Model GX-24.
 160.050/A104/1 Type IV, Ring Life Buoy 30 inch, Model GX-30.
 160.050/A110/0 Type IV, Ring Life Buoy, 20 inch.
 160.050/A111/0 Type IV, Ring Life Buoy, 24 inch.
 160.050/A112/0 Type IV, Ring Life Buoy, 30 inch.

Rotech International Industries Inc., 115 Saramia Crescent, Concord, Ontario, Canada L4K 3Z8

160.050/122/0 Model LR-30, 30-inch diameter, polyethylene-covered polyurethane foam "RING BUOY", Type IV PFD.
 160.050/123/0 Model LRC-30, 30-inch diameter, polyethylene-covered polyurethane foam "RING BUOY", Type IV PFD.

Taylortec, Inc., 16152 E. Club Deluxe Rd., Hammond, LA 70403

160.050/77/1 Type IV, Life Ring Buoy, 20 inch.
 160.050/78/1 Type IV, Life Ring Buoy, 24 inch.
 160.050/79/1 Type IV, Life Ring Buoy, 30 inch.
 160.050/131/0 30 inch, Model RB-S ring buoy, Type IV PFD.

Wellington Leisure Products Inc., 1140 Monticello Hwy, P.O. Box 244, Madison, GA 30650

160.050/117/0 Type IV, Life Ring Buoy, 20 inch.
 160.050/118/0 Type IV, Life Ring Buoy, 24 inch.
 160.050/119/0 Type IV, Life Ring Buoy, 30 inch.

160.051 LIFE RAFTS, INFLATABLE

See approvals under 160.151 series also.

All rafts have passed a drop test of at least 60 feet. Rafts which have passed higher drop tests are indicated. Rafts marked "davit-launched" are used with equipment listed under 160.063 and 160.070.

Dunlop-Beaufort Canada Ltd., 12351 Bridgeport Rd., Richmond, British Columbia, Canada V6V 1J4

160.051/124/0 Type 4 RB 4-person inflatable liferaft with conventional water pockets, with Ocean Service, Limited Service, or Coastal Service equipment pack.
 160.051/125/0 Type 6 RB 6-person inflatable liferaft with conventional water pockets, with Ocean Service, Limited Service, or Coastal Service equipment pack.
 160.051/126/0 Type 8 RB 8-person inflatable liferaft with conventional water pockets, with Ocean Service, Limited Service, or Coastal Service equipment pack.

LIFESAVING EQUIPMENT

- 160.051/129/1 25-person davit-launched inflatable liferaft, Type 25 QM with "Ocean Service" equipment pack.
- 160.051/144/0 10-person, Type 10RBM US inflatable liferaft with conventional water pockets.
- 160.051/145/0 16-person, Type 16RBM US inflatable liferaft with conventional water pockets.
- 160.051/146/1 25-person, Type 25 RBM US inflatable liferaft with conventional water pockets and "Ocean Service" equipment pack.
- 160.051/147/0 25-person, Type 25RBM US inflatable liferaft with conventional water pockets and "Limited Service" equipment pack.
- 160.051/296/0 Type 6 RBS 6-person capacity inflatable liferaft, with SOLAS "A Pack" or SOLAS "B Pack" equipment.

Givens Ocean Survival Systems Co., Inc., 35 Lagoon Road, Portsmouth, RI 02871

- 160.051/104/2 6-person inflatable liferaft (circular waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).
- 160.051/184/0 4-person inflatable liferaft (circular waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).
- 160.051/185/0 8-person inflatable liferaft (circular waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).
- 160.051/186/0 10-person inflatable liferaft (circular waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).
- 160.051/187/0 12-person inflatable liferaft (circular waterplane) with Givens Buoy stability device (patent Nos. 3883913 and 4001905).
- 160.051/192/0 15-person MK-III inflatable liferaft (circular waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).
- 160.051/193/0 20-person MK-III inflatable liferaft (circular waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).
- 160.051/194/0 25-person MK-III inflatable liferaft (circular waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).
- 160.051/278/0 6-person inflatable liferaft with Givens Buoy stability system, with SOLAS "A" or "B" pack equipment.
- 160.051/279/0 8-person inflatable liferaft with Givens Buoy stability system, with SOLAS "A" or "B" pack equipment.
- 160.051/282/0 20-person inflatable liferaft with Givens Buoy stability system, with SOLAS "A" or "B" pack equipment.

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, NY 10001

- 160.051/228/0 6-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
- 160.051/229/0 8-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
- 160.051/230/0 10-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
- 160.051/231/0 12-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
- 160.051/232/0 15-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
- 160.051/233/0 20-person inflatable liferaft (modular series), with SOLAS "A" pack or SOLAS "B" pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
- 160.051/234/0 25-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
- 160.051/238/0 6-person inflatable hexagonal liferaft (revised modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
- 160.051/A257/0 Type "SURVIVA" 6, 6-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
- 160.051/A258/0 Type "SURVIVA" 8, 8-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.

160.051/A259/0 Type "SURVIVA" 10, 10-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
 160.051/A260/0 Type "SURVIVA" 12, 12-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
 160.051/A261/0 Type "SURVIVA" 16, 16-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
 160.051/A262/0 Type "SURVIVA" 20, 20-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
 160.051/A263/0 Type "SURVIVA" 12DL, 12-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
 160.051/A264/0 Type "SURVIVA" 16DL, 16-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
 160.051/A265/0 Type "SURVIVA" 20DL, 20-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
 160.051/A266/0 Type "SEASAVA PLUS" 4, 4-person inflatable liferaft with conventional water pockets, equipped with Coastal Service equipment pack. Mfg. by RFD Ltd. in Northern Ireland.
 160.051/A267/0 Type "SEASAVA PLUS" 6, 6-person inflatable liferaft with conventional water pockets, equipped with Coastal Service equipment pack. Mfg. by RFD Ltd. in Northern Ireland.
 160.051/A268/0 Type "SEASAVA PLUS" 8, 8-person inflatable liferaft with conventional water pockets, equipped with Coastal Service equipment pack. Mfg. by RFD Ltd. in Northern Ireland.
 160.051/A270/0 Type "SURVIVA" 25, 25-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
 160.051/A271/0 Type "SURVIVA" 25DL, 25-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
 160.051/A273/0 Type "SURVIVA" 4, 4-person inflatable liferaft with conventional water pockets, with Ocean ("A Pack") or Limited ("B Pack") Service equipment. Mfg. by RFD Ltd. in Northern Ireland.

RFD Limited, RFD House, 11/13 Ockford Road, Godalming, Surrey, United Kingdom GU7 1QU

160.051/257/0 Type "SURVIVA" 6, 6-person inflatable liferaft with conventional water pockets, equipped with SOLAS A Pack or SOLAS B Pack equipment.
 160.051/258/0 Type "SURVIVA" 8, 8-person inflatable liferaft with conventional water pockets, equipped with SOLAS A Pack or SOLAS B Pack equipment.
 160.051/259/0 Type "SURVIVA" 10, 10-person inflatable liferaft with conventional water pockets, equipped with SOLAS A Pack or SOLAS B Pack equipment.
 160.051/260/0 Type "SURVIVA" 12, 12-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.
 160.051/261/0 Type "SURVIVA" 16, 16-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.
 160.051/262/0 Type "SURVIVA" 20, 20-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.
 160.051/263/0 Type "SURVIVA" 12DL, 12-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.
 160.051/264/0 Type "SURVIVA" 16DL, 16-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.
 160.051/265/0 Type "SURVIVA" 20DL, 20-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.
 160.051/266/0 Type "SEASAVA PLUS" 4, 4-person inflatable liferaft with conventional water pockets, equipped with Coastal Service equipment pack.
 160.051/267/0 Type "SEASAVA PLUS" 6, 6-person inflatable liferaft with conventional water pockets, equipped with Coastal Service equipment pack.
 160.051/268/0 Type "SEASAVA PLUS" 8, 8-person inflatable liferaft with conventional water pockets, equipped with Coastal Service equipment pack.
 160.051/270/0 Type "SURVIVA" 25, 25-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.
 160.051/271/0 Type "SURVIVA" 25DL, 25-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.

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160.051/273/0 Type "SURVIVA" 4, 4-person inflatable liferaft with conventional water pockets, with Ocean ("A Pack") or Limited ("B Pack") Service equipment.

160.051/292/0 Type "SURVIVA" 50, 50-person inflatable liferaft with conventional water pockets, equipped with SOLAS B Pack equipment. Two units may be packed in a single large container and designated "SURVIVA 100."

RPR Industries, Inc., P.O. Box 158, Apex, NC 27502

160.051/87/2 6-person inflatable liferaft (circular waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).

160.051/188/0 4-person inflatable liferaft (circular-type waterplane) with Givens Buoy stability device (patent Nos. 3883913 and 4001905).

160.051/189/0 8-person inflatable liferaft (circular-type waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).

160.051/190/0 10-person inflatable liferaft (circular-type waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).

160.051/191/0 12-person inflatable liferaft (circular-type waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).

160.051/195/0 15-person MK-III inflatable liferaft (circular waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).

160.051/196/0 20-person MK-III inflatable liferaft (circular waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).

160.051/197/0 25-person MK-III inflatable liferaft (circular waterplane) with Givens Buoy stability device (Patent Nos. 3883913 and 4001905).

Rubber Crafters of West VA, Inc., P.O. Box 220, Grantsville, WV 26147

160.051/115/0 10-person Uni-Raft design inflatable liferaft with conventional water pockets.

160.051/116/0 8-person Uni-Raft design inflatable liferaft with conventional water pockets.

160.051/119/0 6-person Uni-Raft design inflatable liferaft with conventional water pockets.

160.051/120/0 12-person Uni-Raft design inflatable liferaft with conventional water pockets.

160.051/121/0 15-person Uni-Raft design inflatable liferaft with conventional water pockets.

160.051/122/1 20-person inflatable liferaft; Uni-Raft design with conventional water pockets.

160.051/123/1 25-person inflatable liferaft; Uni-Raft design with conventional water pockets.

160.051/165/0 Type MK-II Uni-Raft, 20-person capacity davit-launched inflatable liferaft with conventional water pockets.

160.051/166/0 Type MK-II Uni-Raft, 20-person capacity davit-launched inflatable liferaft with conventional water pockets.

SMR Technologies, Inc. (formerly B. F. Goodrich), P.O. Box 326, 1420 Wolf Creek Trail, Sharon Center, OH 44274-0326

160.051/52/3 Inflatable life raft, 20-person capacity.

160.051/60/4 20-person davit-launched inflatable liferaft, Type 20MC MK3, installed to permit float-free operation.

160.051/83/3 Type 25 MC MK 3A, 25 person davit-launched inflatable liferaft, with limited service equipment, installed to permit float-free operation.

160.051/113/2 25-person davit-launched inflatable liferaft, Type 25 MC MK 3A 25 with ocean service equipment, installed to permit float-free operation.

160.051/212/1 6-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.051/213/1 8-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.051/214/1 10-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

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160.051/215/1 12-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.051/216/1 15-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.051/217/1 20-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.051/218/1 25-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.051/237/0 Six-person (revised unit of modular series) with SOLAS "A" Pack or "B" Pack equipment.

160.051/253/0 Four-person "Crewsaver" coastal inflatable liferaft with "Coastal Service" equipment, packed in a rectangular fiberglass container or a fabric valise.

160.051/254/0 Six-person "Crewsaver" coastal inflatable liferaft with "Coastal Service" equipment, packed in a rectangular fiberglass container or a fabric valise.

160.051/255/0 Eight-person "Crewsaver" coastal inflatable liferaft with "Coastal Service" equipment, packed in a rectangular fiberglass container or a fabric valise.

160.051/256/0 Six-person "Crewsaver" modular inflatable liferaft with SOLAS "B" Pack equipment, packed in a rectangular low-profile container.

160.051/274/0 Four-person "Crewsaver" inflatable liferaft, with Ocean Service ("A" Pack) or Limited Service ("B" Pack) equipment, packed in rect. fiberglass container.

160.051/297/0 20-person "Crewsaver" modular davit-launched inflatable liferaft with SOLAS "A" Pack equipment.

160.051/298/0 25-person "Crewsaver" modular davit-launched inflatable liferaft with SOLAS "A" Pack equipment.

Switlik Parachute Co., Inc., 1325 East State St., P.O. Box 1328, Trenton, NJ 08607

160.051/54/0 6-person; passed 100-ft. drop test in cylindrical container.

160.051/55/0 8-person; passed 100-ft. drop test.

160.051/56/0 10-person; passed 100-ft. drop test.

160.051/71/2 4-person.

160.051/101/0 8-person inflatable liferaft with boarding ramp and conventional water pockets. For Coast Guard contract and installation.

160.051/103/0 4-person.

160.051/108/0 6-person; passed 100-ft. drop test in cylindrical container.

160.051/109/0 8-person.

160.051/114/0 10-person inflatable life raft with toroidal stabilizing device.

160.051/239/0 Four-person inflatable liferaft with conventional water pockets with SOLAS "A" or "B" Pack equipment. Passed 100-foot drop test.

160.051/240/0 Four-person inflatable liferaft with toroidal stability device with SOLAS "A" or "B" Pack equipment. Passed 100-foot drop test.

160.051/241/0 Six-person inflatable liferaft with conventional water pockets with SOLAS "A" or "B" Pack equipment, complying with SOLAS 74/83. Passed 100-foot drop test.

160.051/242/0 Six-person inflatable liferaft with toroidal stability device with SOLAS "A" or "B" Pack equipment, complying with SOLAS 74/83. Passed 100-foot drop test.

160.051/243/0 Eight-person inflatable liferaft with conventional water pockets with SOLAS "A" or "B" Pack equipment, complying with SOLAS 74/83. Passed 100-foot drop test.

160.051/244/0 Eight-person inflatable liferaft with toroidal stability device with SOLAS "A" or "B" Pack equipment, complying with SOLAS 74/83. Passed 100-foot drop test.

160.051/245/0 Ten-person inflatable liferaft with conventional water pockets with SOLAS "A" or "B" Pack equipment, complying with SOLAS 74/83. Passed 100-foot drop test.

160.051/246/0 Ten-person inflatable liferaft with toroidal stability device with SOLAS "A" or "B" Pack equipment, complying with SOLAS 74/83. Passed 100-foot drop test.

160.051/247/0 Fifteen-person inflatable liferaft with conventional water pockets with SOLAS "A" or "B" Pack equipment, complying with SOLAS 74/83. Passed 100-foot drop test.

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160.051/248/0 Twenty-person inflatable liferaft with conventional water pockets with SOLAS "A" or "B" Pack equipment, complying with SOLAS 74/83. Passed 100-foot drop test.

160.051/249/0 Twenty-five-person inflatable liferaft with conventional water pockets, with SOLAS "A" Pack equipment, complying with SOLAS 74/83. Passed 100-foot drop test.

160.051/250/0 Twenty-five-person inflatable liferaft with conventional water pockets with SOLAS "B" Pack equipment for limited service, complying with SOLAS 74/83. Passed 100-foot drop test.

160.051/272/0 Type CLR-6, six-person Coastal Service inflatable liferaft with conventional water pockets, equipped with Coastal Service equipment pack.

VIKING Life-Saving Equipment A/S, P.O. Box 3060, 6710 Esbjerg V, Denmark

(U.S. agent: Viking Life-Saving Equipment (America), 1625 N. Miami Ave., Miami, FL 33136)

160.051/199/0 4-person inflatable liferaft, Viking Type 4 DK, with Ocean Service or Limited Service equipment. Maximum permitted stowage height 25 meters if in round container, 10 meters if in square container.

160.051/200/0 6-person inflatable liferaft, Viking Type 6 DK with SOLAS A PACK or SOLAS B PACK equipment.

160.051/201/0 8-person inflatable liferaft, Viking Type 8 DK, SOLAS A PACK OR SOLAS B PACK equipment.

160.051/202/1 10-person inflatable liferaft, Viking Type 10 DK, with SOLAS A PACK or SOLAS B PACK equipment.

160.051/203/1 12-person inflatable liferaft, Viking Type 12 DK, With SOLAS A PACK or SOLAS B PACK equipment.

160.051/204/0 16-person inflatable liferaft, Viking Type 16 DK, with SOLAS A PACK or SOLAS B PACK equipment.

160.051/205/0 20-person inflatable liferaft, Viking Type 20 DK, with SOLAS A PACK or SOLAS B PACK equipment.

160.051/206/0 25-person inflatable liferaft, Viking Type 25 DK, with SOLAS A PACK or SOLAS B PACK equipment.

160.051/207/1 12-person inflatable liferaft (davit-launched), Viking Type 12 DKF, with SOLAS A PACK or SOLAS B PACK equipment.

160.051/208/0 16-person inflatable liferaft (davit-launched), Viking Type 16 DKF, with SOLAS A PACK or SOLAS B PACK equipment.

160.051/209/0 20-person inflatable liferaft (davit-launched), Viking Type 20 DKF, with SOLAS A PACK or SOLAS B PACK equipment.

160.051/210/0 25-person inflatable liferaft (davit-launched), Viking Type 25 DKF, with SOLAS A PACK or SOLAS B PACK equipment.

160.051/235/0 Viking Type 50 DK, 50-person capacity drop launched inflatable liferaft with SOLAS B pack equipment.

160.051/236/0 Viking Type 35 DKF, 35-person capacity davit-launched inflatable liferaft with SOLAS A PACK or SOLAS B PACK equipment.

160.051/269/0 6-person inflatable liferaft, Viking type 6 CL, with Coastal Service equipment pack.

Zodiac International, Division Marine, 58, Boulevard Gallieni, 92137 Issy-Les-Moulineaux, France

(U.S. agent: Zodiac North America, Thomson Creek Rd., P.O. Box 400, Stevensville, MD 21666)

160.051/284/0 Zodiac 6-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.

160.051/285/0 Zodiac 8-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.

160.051/286/0 Zodiac 10-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.

160.051/287/0 Zodiac 12-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.

160.051/288/0 Zodiac 16-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.

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160.051/289/0 Zodiac 20-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.

160.051/290/0 Zodiac 25-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.

160.051/291/0 Zodiac 25-person davit launched inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.

160.051/293/1 Zodiac four-person inflatable liferaft with Coastal Service equipment pack.

160.051/294/0 Zodiac six-person inflatable liferaft with Coastal Service equipment pack.

160.051/295/0 Zodiac eight-person inflatable liferaft with Coastal Service equipment pack.

160.051/299/0 Zodiac four-person inflatable liferaft with conventional water pockets, with Ocean ("A Pack") or Limited ("B Pack") Service equipment.

Inflatable Life Raft Servicing Facilities

The facilities listed on the following pages are approved as meeting the requirements of 46 CFR 160.051-6, to service inflatable life rafts for the indicated manufacturers only. The three-digit figure preceding each facility listing is the facility's approval code assigned by the Coast Guard, for optional use to identify the facility on servicing stickers (where used) and other servicing documentation.

To simplify the use of this listing, it is broken down by general geographic regions.

LIFESAVING EQUIPMENT

MANUFACTURERS (manufacturers marked with an asterisk are approved to service approved liferafts manufactured by them)

- 007 Ballonfabrik (grandfathered rafts)
 010 Dunlop-Beaufort Canada Ltd.*
 015 Givens Buoy Life Raft Co. Inc.*
 020 Revere Survival Products Co., Inc.* (for Revere and RFD/Revere)
 025 RFD Limited*
 030 RPR Industries, Inc.*
 035 Rubber Crafters of West VA, Inc.*
 045 SMR Technologies, Inc.*
 050 Switlik Parachute Co., Inc.*
 055 VIKING Life-Saving Equipment A/S*
 060 Zodiac International Inc.*

SERVICING FACILITIES	LIFERAFT MANUFACTURERS									
	Viking	Dunlop	SMR	Seaco/Beaufort	Elliot**	RPR-Givens	Revere	Switlik	Uniroyal	Rubber Ballon- Crafters fabrik
PACIFIC COAST (NORTH AND SOUTH AMERICA), HAWAII										
113 Alaska Ship Chandlers, Inc. 1000 Harbor Way Juneau, AK 99801	.	.	.	.	X	.	.	.	.	.
125 All West Marine Safety, Inc. 2533 Peralta Street Oakland, CA 94607	.	.	.	.	X	.	.	.	.	.
130 American Marine, Inc. 4031 East 1st Street Superior, WI 54880-4256	X	.	X	X	X	.	X	X	.	.
145 Avalon Rafts Sales & Service 218 North Marine St. Wilmington, CA 90744 (additional approved service space at: 227 North Avalon Blvd. Wilmington, CA 90744)	X	X	.	.	.	X	.	.	.	.

**including approved Plastimo liferafts manufactured by Seaco/Elliot

EQUIPMENT LISTS

SERVICING FACILITIES	LIFERAFT MANUFACTURERS										
	Viking	Dunlop	SMR	Seaco/	Elliot**	RPR-	Revere	Swijlik	Uniroyal	Rubber	Ballon-
		Beaufort	Tech.			Givens				Crafters	fabrik
											Revere
											Zodiac
153 Bay Safety 2355 Kachemak Drive Homer, AK 99603	X	X			X						
155 Beaufort Air-Sea Equipment Canada, Ltd. 12351 Bridgeport Rd. Richmond, B.C. Canada V6V 1J4		X									
183 Castro y Castro Co. Calle Estancia y Carriera Transpeninsular Centro Comercial Valle Dorada, Local #22 Ensenada, B.C., Mexico					X						
197 Coastal Safety Services 310 Jarvis St. P.O. Box 856 Sitka, AK 99835			X		X						
200 Coast Marine & Industrial Supply, Inc. 398 Jefferson St. San Francisco, CA 94133	X		X		X			X		X	
210 J. M. Costello Supply Co. 221 N. Avalon Blvd. Wilmington, CA 90744								X			
235 Duncan y Cossio, SA Av. Enrique Dumant 248 Esq. Francisco Ulloa 22890 Ensenada B.C.N. Mexico			X					X			

EQUIPMENT LISTS

SERVICING FACILITIES	LIFERAFT MANUFACTURERS												
	Viking	Dunlop	SMR	Seaco/ RPR- Elliot**	Givens	Revere	Switlik	Uniroyal	Crafters	Ballon- fabrik	RFD/ Revere	Zodiac	
405 Marine Hardware Company 345 North Beacon St. San Pedro, CA 90731	.	.	.	X	.	X	.	.	.	.	X	.
410 Mariner's Supply Co., Inc. 4865 North Lagoon Ave. Portland, OR 97217	X	.	X	.	.	.	.	.	.	.	.	.
425 Marine Safety Services 1290 E. Honeymoon Bay Road Greenbank, WA 98253	.	X	.	.	X	X	.	.	.	.	.	.
427 Marine Safety Services 1533 N.W. Market Ballard, WA 98107	.	X	.	.	X	X	.	.	.	.	.	.
435 Marine Ship Supply 1135 NW 46th Street Seattle, WA 98107-4633	X	.	.	.	.	.	.	.	.	.	.	.
588 Marita Sea and Ski 1340 Rudakoff Circle Anchorage, AK 99508	.	.	.	X	.	X	.	.	.	.	.	.
457 Nois-Pacific 1247 Mill Bay Road Kodiak, AK 99615	.	X	X	X	.	X	.	.	.	.	X	.
475 Ocean Safety Services, Inc. 2663 Airport Beach Rd. P.O. Box 1139 Dutch Harbor, AK 99692	X	X	X	X	X	.	X	

LIFESAVING EQUIPMENT

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480	Oceans West Marine & Industrial Supply, Inc. 2886 Miami St. San Diego, CA 92113	X	.	X	X	.
495	Oregon-Pacific Co. 1760 Sheridan North Bend, OR 97459	X	.	.	.	.	.	.	.	.	.
505	Pacific Marine Distributors, Inc. 2320 NW 21st Ave. Portland, OR 97209 Mailing address: P.O. Box 6440 Portland, OR 97228	X	.	X	X	X	.	X	.	X	.
530	Puget Sound Inflatables, Inc. 309 South Cloverdale St. Suite A-9 Seattle, WA 98108	X	.	X	.	X	.	.	.	.	.
620	Servicios Technicos Maritimos Servinaut Ltda. 86 Ignacio Domeyko Punta Arenas, Chile	X	.	.	.	.	X	.	.	.	.
645	Southeast Ocean Survival 1900 Tongass Ave. Ketchikan, AK 99901	X	.	X	.	.	X	.	.	.	.
720	Westmar Services, Inc. 5930 6th Avenue South P.O. Box 81105 Seattle, WA 98108	X	.	X	.	X	.	.	.	X	.
725	Westpac Marine Services, Inc. 2316 South Jefferson Tacoma, WA 98402	X	.	X	.	X	.	X	.	X	.

EQUIPMENT LISTS

LIFERAFT MANUFACTURERS											
SERVICING FACILITIES	Dunlop	SMR	Seaco/ RPR-	Elliot**	Givens	Revere	Switlik	Uniroyal	Crafters	Rubber	RFD/ Ballon-
Viking	Beaufort	Tech								fabrik	Revere
Zodiac											
730 Willard Marine Service & Sales, Inc., Pier 62 San Francisco, CA 94107	X	.	.	.	.	.	.	.	.	.	.
ATLANTIC COAST (NORTH AND SOUTH AMERICA), GREAT LAKES, CARIBBEAN, GULF OF MEXICO											
110 Air-Sea Safety and Survival 120-A Willman Street Charleston, SC 29403	X	.	X	X	.	.	.	.	.	.	.
115 Alexander Industries, Inc. P.O. Box 51886 New Orleans, LA 70151	.	X	.	.	.	.	.	.	.	.	.
120 Alexander Industries, Inc. 2332 Wayside Houston, TX 77011	.	X	.	.	.	.	.	.	.	.	.
122 Alexander-Sevin, Inc. 7830 Townsend Place New Orleans, LA 70126	.	.	.	.	.	X	.	.	.	.	X
140 Atlantis Marine & Industrial Supply Co., Inc. 832 Baronne St. New Orleans, LA 70113	.	.	.	.	.	X	.	.	.	.	.
160 Ray Benton Co. 44 South Street New Bedford, MA 02740	.	.	.	.	.	X	.	.	.	.	.
165 Black Industrial Supply, Inc. 3200 East 92nd Street Chicago, IL 60617	.	X	.	X	.	X	X	.	.	.	.

EQUIPMENT LISTS

SERVICING FACILITIES	LIFERAFT MANUFACTURERS													
	Dunlop	SMR	Seaco/	RPR-	Elliot**	Givens	Revere	Switlik	Uniroyal	Craters	Rubber	Ballon--	RFD/	
	Viking	Beaufort	Tech.										Revere	Zodiac
233 Donovan Marine, Inc. 400 N. Carrollton Ave. P.O. Box 19100 New Orleans, LA 70179-0100	.	.	.	.	.	.	.	.	.	.	.	.	.	X
245 Eastern Marine Outfitters 218 East Main Street Babylon, NY 11702	.	.	.	.	.	.	X	.	.	.	.	.	.	.
255 Elliot Inflatable Liferafts 3625A Prospect St. Riviera Beach, FL 33404	.	.	.	.	X	.	.	.	.	.	.	.	.	.
263 Fire Protection Service, Inc. 142 Plato Road Corpus Christi, TX 78408	X	.	.	.	X	.	X	X	.	.	.	.	.	.
265 Fire Protection Service, Inc. 8050 Harrisburg Blvd. Houston, TX 77012	X	X	.	.	X	.	X	X	X	X	X	.	.	.
275 Givens Ocean Survival Systems Co., Inc. 1-8 Lagoon Road Portsmouth, RI 02871 Mailing address: PO Box 296 Tiverton, RI 02878	.	.	.	.	.	X	.	.	.	.	.	.	.	.
280 General Fire Sales & Service 707 First Street Toledo, OH 43605	.	.	X	.	X	.	X	X	.	.	.	.	.	.
300 Gulf-Mar, Inc. 3601 Kirkman Lake Charles, LA 70601	.	.	.	.	.	.	.	.	.	.	.	.	.	X

320	High Seas Safety of America, Inc. 1625 North Miami Ave. Miami, FL 33136	X	.	.	.	.	.	.	.	.
330	Inflatables International, Inc. 4200 North Dixie Highway West Palm Beach, FL 33407	.	X	.	.	.	.	.	X	.
335	Inflatable Services, Inc. 990 State Road 84 Fort Lauderdale, FL 33315	.	X	X	X	X	X	.	X	.
355	Landrigan Corporation Logan International Airport 2-12 Jeffries Street Boston, MA 02128	X	X	X	.	X	X	.	X	X
365	L.H.R. Services, Inc. 6895 Griggs Road Houston, TX 77023	.	X	.	.	.	.	.	.	.
367	Lifeline Inflatable Services, Inc. 1584 NW 29th Street Miami, FL 33142	.	.	.	.	.	X	.	.	.
370	Liferaft Inspection Service Co. 1480 West State St. Trenton, NJ 08607	X	.	X	.	X	.	.	X	.
375	Liferafte, Inc. of Puerto Rico 621 Avenida Fernandez Juncos Sanituce, Puerto Rico 00907	.	.	X	.	X	.	X	.	.
380	Liferaft & Survival Equipment, Inc. One Maritime Drive Portsmouth, RI 02871	.	.	X	X	.	X	.	.	.

EQUIPMENT LISTS

SERVICING FACILITIES	LIFERAFT MANUFACTURERS													
	Viking	Dunlop	SMR	Seaco/ RPR- Elliot**	Givens	Revere	Swiflik	Unroyal	Crafters	Rubber	Ballon-	RFD/	Revere	Zodiac
390 Maine Liferaft & Inflatable Service Co. 36 Union Wharf Portland, ME 04101	.	.	X	X	.	X	.	.	.	.	.	.	.	.
407 Marine & Industrial Supply 150 Virginia Street Mobile, AL 36652-2186	.	X	X	X	.	X	.	.	.	.	.	.	.	.
580 Marine Safety Corporation P.O. Box 465 5050 Industrial Rd. Farmingdale, NJ 07727	X	.	X	.	X	.	X	.	.	X	.	.	.	.
430 Marine Service & Supply Co., Inc. 528 Destrehan Ave. Harvey, LA 70058	.	.	.	X	.	.	.	.	.	.	.	.	.	.
445 Mobile Ship Chandlery Inc. 210 St. Louis St. Mobile, AL 36602	X	X	X	.	X	X	.	.	.	X	.	.	.	.
455 Neptune Supplies, Inc. 425 Milan Street New Orleans, LA 70115	X	X	.	.	.	.	.	.	.	.	.	.	.	.
490 Offshore Suppliers, Inc. 413 North Causeway Blvd. New Orleans, LA 70001	X	X	.	.	.	.	X	.	.	.	.	.	.	.
515 Pan Marine do Brasil Transportes Lda., Rua-Academico Paula Sergio de Vasconcelos 737 Granja dos Cazaleiros 28700 Macae Rio de Janeiro, Brazil	.	.	.	.	.	.	X	.	.	.	.	.	.	.

EQUIPMENT LISTS

SERVICING FACILITIES	LIFERAFT MANUFACTURERS									
	Viking	Dunlop	SMR	Seaco/	RPR-	Revere	Swiftlik	Unitoyal	Rubber	RFD/
				Elliot**	Given				Crafters	fabrik
										Revere
										Zodiac
568	A Sailor's Place Worldwide Inflatables 2389 S.E. Dixie Highway Stuart, FL 34996	.	.	.	.	.	X	.	.	.
570	Samuel Rope & Marine Supply Co. 1285 Old River Road Cleveland, OH 44113	.	X	X	.	.	X	.	.	.
590	Sea Pro Services Ltd. 901 Ashburn Lake Rd. St. John, New Brunswick Canada E2L 3V9	.	X	X	.	X	.	.	X	.
595	Sea Pro Services Ltd. 200 Wyse Road, Dartmouth, Nova Scotia Canada B2Y 3Y5	.	X	.	.	.	X	.	X	.
600	Sea Safe Services, Inc. 1221 East Madison, Suite B Tampa, FL 33602	.	.	X	X	.	.	.	.	.
605	Sea Safety International, Inc. 10 Wood Avenue Secaucus, NJ 07094	X	.	X	.	.	X	.	.	.
615	Seaway Life Raft Ltd. 577 Elm St. Port Colborne, Ontario Canada L3K 1B7	.	.	X	.	.	.	.	.	.
625	Shoreline Marine, Inc. 7776 Brauliff Houston, TX 77061	.	.	.	.	.	X	.	.	.

EQUIPMENT LISTS

LIFERAFT MANUFACTURERS													
SERVICING FACILITIES	Viking	Dunlop Beaufort	SMR Tech.	Seaco/ Elliot**	RPR-	Revere	Swirltek	Uniroyal	Crafters	Rubber fabrik	Ballon-	RFD/	Zodiac
												Revers	
695 USA Services, Inc. 1818 Margaret Drive Annapolis, MD 21401	X	.	X	.	X	X	X	X	X	X	.	.	.
520 USA Services, Inc. (formerly Paxton Co.) 1111 Ingleside Road Norfolk, VA 23502	X	.	.	.	.	X	X	X	.	X	.	.	.
575 Sault Warehouse U.S. Steel Corp., Great Lakes Fleet Sault Ste. Marie, MI 49783	.	.	X	.	X	.	.	X	.	.	.	.	.
698 Vane Brothers & Ship Chandlery 4209 Newgate Ave., Pier 11 Canton Baltimore, MD 21224	.	X	.	.	.	.	.	X	.	.	.	.	.
715 Westerbeke Fishing Gear Co. Fish Pier Road Boston, MA 02210	.	.	.	.	X	.	.	X	.	.	.	.	.
735 William H. Swan & Sons, Inc. 128 Castle Hayne Road Wilmington, NC 28402	.	.	.	.	.	.	.	X	.	.	.	.	.
740 William H. Swan & Sons, Inc. 1330 Azalea Garden Road Norfolk, VA 23502	.	.	.	.	.	.	.	X	.	.	.	.	.
745 William H. Swan & Sons, Inc. 2336 Liberty Street Jacksonville, FL 32206	X	X	X

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EQUIPMENT LISTS

SERVICING FACILITIES	LIFERAFT MANUFACTURERS											
	Viking	Dunlop Beaufort	SMR Tech.	Seaco/ RPR- Elliot**	Givens	Revere	Switlik	Unitroyal	Rubber Crafters	Ballon- fabrik	RFT/ Revere	Zodiac
640 South African Diving Services (Pty) Ltd. 56 Dudley Street Jacobs, Durban 4052 South Africa	X	.	.	.	X	.	.	.	.	.	.	.
643 South African Diving Services (Pty) Ltd. 29 Carlisle Street Parden Eiland, 7405 South Africa Mailing address: P.O. Box 1339 Cape Town, 8000	X	.	.	.	X	.	.	.	.	.	.	.
700 Viking-Marine Service Broelagervej 10 6710 Esbjerg V Denmark	X	.	.	.	.	.	.	.	.	.	.	.
705 Viking Life Saving Equipment BV Zoutvekerkerstraat 6 P.O. Box 1015 3330 CA Zwijndrecht Netherlands	X	.	.	.	.	.	.	.	.	.	.	.
710 Viking Life-Saving Equipment Ltd. X Ocean House Caxton Street North London E16 1JL England	.	.	.	.	.	.	.	.	.	.	.	.
ASIA, FAR EAST, OCEANIA												
105 Aeradio Technical Services WLL Mines Sulman Industrial Area P.O. Box 26803 Manama, Bahrain	X	.	.	.	X	.	.	.	.	.	.	.

EQUIPMENT LISTS

LIFERAFT MANUFACTURERS										
SERVICING FACILITIES	Dunlop	Seaco/ RPR- Elliot**	Givens	Revere	Switlik	Unitroyal	Crafters	Balton- fabrik	RFD/ Revere	Zodiac
443 McCorkills 108 Marine Terrace P.O. Box 389, Fremantle Western Australia, 6160	X	.	.	.	.	.	.	.	.	.
485 Offshore Electronics & Safety Equipment P.O. Box 5272 Sharjah, U.A.E.	X	.	.	.	X	.	.	.	.	.
510 Panmarine (PTE), Ltd. (Singapore) 18 Kian Teck Drive Singapore 2262	.	X	.	X	.	.	.	.	.	.
533 Ransco Marine SDN BHD No. 2 Warehouse 7, Kemaman Supply Base 24007 Kemaman, Terengganu, Malaysia	.	X	.	.	.	.	.	.	.	.
660 Strait Marine Co. PTE, Ltd. Kc Wairam House 30 Jalan Jilau Barat Singapore 0315	X	.	.	.	X	.	.	.	.	.
670 Taylor Stanley (S) PTE Ltd. 07-17 City Industrial Bldg. 71, Tannery Lane Singapore	X	.	.	.	.	.	.	.	.	.
712 Viking Life-Saving Equipment (Pte) Ltd. 111 Deftu Lane, #03-03 Victory Building Singapore 1953	X	.	.	.	.	.	.	.	.	.
755 Yokohama Tsusho Co., Ltd. 2-1, 2-Chome, Minatojima Naka-Machi Yuo-Ku, Kobe 650, Japan	X	X	.	X	X	.	.	X	.	.

LIFESAVING EQUIPMENT

160.052 BUOYANT VESTS, UNICELLULAR PLASTIC FOAM,
TYPE II PFD'S

Approved for use on all recreational boats and uninspected commercial vessels less than 40 feet in length, not carrying passengers for hire.

Ero Industries Inc., 308 South Williams St., PO Box 755, Hazlehurst, GA 31539

160.052/437/0 Model PW, Infant - Child Small (for persons less than 50 lb), cloth covered unicellular plastic foam "NEAR SHORE BUOYANT VEST", Type II PFD.

160.052/439/0 Model INV, Infant/Child Small, "BUOYANT VEST", Type II PFD.

160.052/440/0 Model ICS-1, Infant/Child Small, "NEAR SHORE BUOYANT VEST", Type II PFD.

Wellington Leisure Products Inc., 1140 Monticello Hwy, P.O. Box 244, Madison, GA 30650

160.052/438/0 Model 3000, 3001, and 3002 (PVC), infant/child small (for person less than 50 lb), fabric covered, "BUOYANT VEST", Type II PFD.

160.053 WORK VESTS, UNICELLULAR PLASTIC FOAM, TYPE V
RESTRICTED USE PFD'S

Not acceptable as replacement for required Type I, II, III, or IV PFD.

America's Cup, Inc., P.O. Box 2009, La Puente, CA 91746-0009

160.053/73/0 Model 7000, Adult Small (32" - 36" chest), cloth-covered unicellular plastic foam "DECKSUIT", Type V PFD.

160.053/74/0 Model 7000, Adult Medium (36" - 40" chest), cloth-covered unicellular plastic foam "DECKSUIT", Type V PFD.

160.053/75/0 Model 7000, Adult Large (40" - 46" chest), cloth-covered unicellular plastic foam "DECKSUIT", Type V PFD.

160.053/76/0 Model 7000, Adult X-Large (46" - 52" chest), cloth-covered unicellular plastic foam "DECKSUIT", Type V PFD.

160.053/78/0 Model 150 (PVC), Adult Universal, "WORK VEST", Type V PFD.

160.053/79/0 Model 152 (PE), Adult Universal, "WORK VEST", Type V PFD.

160.053/96/0 Model 7000, Adult XX-Large, "DECK SUIT", Type V PFD.

Billy Pugh Co. Inc., 1510 North Broadway, P.O. Box 802, Corpus Christi, TX 78403

160.053/31/0 Type V Work Vest, Adult, Model WVO-10.

160.053/71/0 Model WVO-101, Adult or Adult Universal, vinyl-dipped unicellular plastic foam "WORK VEST", Type V PFD.

160.053/98/0 Model WVO-50, Adult, "WORK VEST", Type V PFD.

Cal-June Corporation, PO Box 9551, North Hollywood, CA 91614

160.053/97/0 Model 606, Adult Universal, "WORK VEST", Type V PFD.

Kent Sporting Goods Co., 433 Park Avenue S, State Route 60, New London, OH 44851

160.053/69/0 Model 8880, Adult Universal, "WORK VEST", Type V PFD.

Mustang Engineered Technical Apparel Corp., 3810 Jacombs Road, Richmond, British Columbia, Canada V6V 1Y6

160.053/38/3 Model MS2175, Adult Small, "ANTI-EXPOSURE WORK SUIT", Type V PFD.

160.053/39/2 Model MS2175, Adult Medium, "ANTI-EXPOSURE WORK SUIT", Type V PFD.

160.053/40/2 Model MS2175, Adult Large, "ANTI-EXPOSURE WORK SUIT", Type V PFD.

160.053/41/2 Model MS2175, Adult X-Large, "ANTI-EXPOSURE WORK SUIT", Type V PFD.

160.053/42/2 Model MS2175, Adult XX-Large, "ANTI-EXPOSURE WORK SUIT", Type V PFD.

160.053/87/0 Model MS2175, Adult X-Small, "ANTI-EXPOSURE WORK SUIT", Type V PFD.

EQUIPMENT LISTS

Mustang Engineered Technical Apparel (USA) Corp., 3870 Mustang Way, Bellingham, WA 98226
 160.053/A38/0 Model MS2175, Adult Small "ANTI-EXPOSURE SUIT", Type V PFD.
 160.053/A39/0 Type V Anti-Exposure Coverall 40-42, Adult, Model 2175.
 160.053/A40/0 Type V Anti-Exposure Coverall 44-46, Adult, Model 2175.
 160.053/A41/0 Type V Anti-Exposure Coverall 48-50, Adult, Model 2175.
 160.053/A42/0 Type V Anti-Exposure Coverall 50-52, Adult, Model 2175.

Safeguard Corp., P.O. Box 2004, Covington, KY 41012
 160.053/8/2 Models 290, 291, 295, and 296, "WORK VEST", Type V PFD.
 160.053/66/0 Models 300, 301, and 310 Adult Universal, "WORK VEST", Type V PFD.
 160.053/90/0 Model 290, 291, 295 and 296, "WORK VEST", Type V PFD.
 160.053/91/0 Model 305, 315, Oversize Adult, "WORK VEST", Type V PFD.

Stearns Manufacturing Company, 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302
 160.053/35/1 Type V Work Vest, Adult, Model IWV-220.
 160.053/45/0 Model IWV-225, Adult Universal, "WORK VEST", Type V PFD.
 160.053/60/1 Model IWV-223 and 224, Adult Universal, "WORK VEST", Type V PFD.
 160.053/80/0 Model IFS-580i, Adult X-Small, "ANTI-EXPOSURE COVERALL", Type V PFD.
 160.053/81/0 Model IFS-580i, Adult Small, "ANTI-EXPOSURE COVERALL", Type V PFD.
 160.053/82/0 Model IFS-580i, Adult Medium, "ANTI-EXPOSURE COVERALL", Type V PFD.
 160.053/83/0 Model IFS-580i, Adult Large, "ANTI-EXPOSURE COVERALL", Type V PFD.
 160.053/84/0 Model IFS-580i, Adult X-Large, "ANTI-EXPOSURE COVERALL", Type V PFD.
 160.053/85/0 Model IFS-580i, Adult XX-Large, "ANTI-EXPOSURE COVERALL", Type V PFD.
 160.053/86/0 Model IFS-580i, Adult XXX-Large, "ANTI-EXPOSURE COVERALL", Type V PFD.

Taylor-tec, Inc., 16152 E. Club Deluxe Rd., Hammond, LA 70403
 160.053/20/3 Model WV-1 and WV-2, Adult Universal, "WORK VEST", Type V PFD.
 160.053/70/0 Model WV-10, Adult, "WORK VEST", Type V PFD.
 160.053/95/0 Model WV-9, Adult Universal, "WORK VEST", Type V PFD.

Wellington Leisure Products Inc., 1140 Monticello Hwy, P.O. Box 244, Madison, GA 30650
 160.053/43/0 Type V Work Vest, Adult, Model WV-1.
 160.053/65/1 Type V Work Vest, Adult, Model S9792.

160.054 KITS, FIRST-AID, INFLATABLE LIFE RAFT

Datrex, Inc., P.O. Box 1150, Kinder, LA 70648
 160.054/13/1 Liferaft First Aid Kit, Datrex Model #BQ 401M.

Eastern Safety Equipment Co., Inc., 59-20 56th Avenue, Maspeth, NY 11378
 160.054/14/1 Liferaft First Aid Kit, Eastern Model code 310CG.

F & L Packing Corp., 681 Main St., Belleville, NJ 07109
 160.054/7/0 Model 212 identified by F & L data sheet entitled "First Aid Kit for Inflatable Liferaft, Model 212" dated 7 August 79.

Healer Products Inc., P.O. Box 153, Mamaroneck, NY 10543
 160.054/11/0 Healer First Aid Kit in resealable vinyl pouch.

North Health Care, 1515 Elmwood Rd., Rockford, IL 61101
 160.054/12/0 First Aid Kit for Liferrafts packed in resealable plastic pouch. Each unit packed in North Health Care resealable pouch Model #01-16-02.

LIFESAVING EQUIPMENT

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, NY 10001
160.054/9/0 Model No. 180 First Aid Kit.

Rubber Fabricators, Inc, Saf-T-Pak Division, P. O. Box 556, Grantsville, WV 26147
160.054/10/0 Model BA 1770 First Aid Kit for Inflatable Liferafts.

Scott Aviation, A Figgie International Co., 225 Erie Street, Lancaster, NY 14086
160.054/3/3 Model 70500-00 first aid kit for inflatable liferaft.

**160.055 LIFE PRESERVERS, UNICELLULAR PLASTIC FOAM,
ADULT AND CHILD, TYPE I, OR TYPE V RESTRICTED USE PFD'S**

Approved for use on all commercial vessels and recreational boats.

America's Cup, Inc., P.O. Box 2009, La Puente, CA 91746-0009
160.055/139/1 Model 100W, Adult Small/Medium, "COMMERCIAL WHITE WATER VEST", Type V PFD.
160.055/140/1 Model 100W, Adult Large/X-Large, "COMMERCIAL WHITE WATER VEST", Type V PFD.
160.055/141/1 Model 100W, Youth, "COMMERCIAL WHITE WATER VEST", Type V PFD.
160.055/163/0 Model 110W, Adult Universal, fabric covered unicellular plastic foam "COMMERCIAL WHITE WATER VEST", Type V PFD.

Billy Pugh Co., Inc., 1510 North Broadway, P.O. Box 802, Corpus Christi, TX 78403
160.055/113/2 Model 200, Adult (for person weighing more than 90 lb), vinyl coated, non-standard unicellular plastic foam life preserver, Type I PFD.
160.055/119/1 Type I Life Preserver, Adult Universal, Model 262.
160.055/120/1 Model 266, child (for persons weighing less than 90 lb), vinyl coated, unicellular plastic foam life preserver, Type I PFD.

Cal-June Corporation, P.O. Box 9551, North Hollywood, CA 91609-1551
160.055/115/0 Type I Life Preserver, Adult Universal, Model 601.
160.055/116/0 Type I Life Preserver, Child (under 90 lb), Model 603.
160.055/168/0 Model SO-1, Adult (over 60 lb), "LIFE PRESERVER", TYPE I PFD.
160.055/169/0 Model SO-2 Child (less than 60 lb/52 in.) "LIFE PRESERVER", TYPE I PFD.

Datrex, Inc., P.O. Box 1150, Kinder, Louisiana 70648
160.055/B164/0 Model LP-10-A, Adult, "OFF-SHORE LIFEJACKET", TYPE I PFD.
160.055/B165/0 Model LP-10-C, Child, "OFF-SHORE LIFEJACKET", TYPE I PFD.

Extrasport, Inc., 5305 NW 35th Ct., Miami, FL 33142-3203
160.055/157/0 Model Bud-1, Youth "COMMERCIAL WHITE WATER VEST", Type V PFD.
160.055/158/0 Model Bud-2, Adult Small/Medium "COMMERCIAL WHITE WATER VEST", Type V PFD.
160.055/159/0 Model Bud-3, Adult Large/X-Large "COMMERCIAL WHITE WATER VEST", Type V PFD.

Kent Sporting Goods Co., 433 Park Avenue South, State Route 60, New London, OH 44851
160.055/147/0 Model ALP-1, Adult, "LIFE PRESERVER", Type I PFD.
160.055/148/0 Model CLP-1, Child, "LIFE PRESERVER", Type I PFD.
160.055/149/0 Type I Life Preserver (non-standard design), Adult Universal, Model 8830.
160.055/150/0 Type I Life Preserver (non-standard design), Child (under 90 lb), Model 8820. Formerly approved under American Recreation Products.
160.055/180/0 Model RS, Adult Universal, "LIFE PRESERVER", TYPE I PFD.
160.055/181/0 Model RL, Extended Size (persons over 120 cm/20 kg), "OFF-SHORE LIFEJACKET", Type I PFD.

EQUIPMENT LISTS

Omega Corporation, 130 Condor Street, East Boston, MA 02128

- 160.055/124/0 Type V Commercial White Water Vest, Adult Small/Medium, Model 1002.
160.055/125/0 Type V Commercial White Water Vest, Adult Large/X-Large, Model 1003.

Rotech International Industries Inc., 115 Saramia Crescent, Concord, Ontario, Canada L4K 3Z8

- 160.055/A164/0 Model LP-10-A, Adult (over 57 in./75 lbs.), "OFF-SHORE LIFEJACKET", Type I PFD.
160.055/A165/0 Model LP-10-C, Child (less than 90 lbs.), "OFF SHORE LIFEJACKET", Type I PFD.

Safeguard Corp., PO Box 2004, Covington, KY 41012

- 160.055/134/0 Model 195RT, Adult, "LIFE PRESERVER", Type I PFD.
160.055/135/0 Model 196RT, Child, foam "LIFE PRESERVER", Type I PFD.
160.055/153/0 Model 198, Adult Universal, "LIFE PRESERVER", Type I PFD.
160.055/154/0 Model 199, Child, "LIFE PRESERVER", Type I PFD.
160.055/161/0 Model 210, Adult Universal, "WHITE WATER VEST", Type V PFD.
160.055/162/0 Model 211, Youth, "WHITE WATER VEST", Type V PFD.
160.055/170/0 Model S225RT, Adult (over 59 in./90 lb.), "OFF-SHORE LIFEJACKET", Type I PFD.
160.055/171/0 Model S226RT, Child (under 59 in./90 lb.), "OFF-SHORE LIFEJACKET", Type I PFD.
160.055/172/0 Model 240, Adult Universal, "COMMERCIAL WHITE WATER VEST", Type V PFD.

Stearns Manufacturing Company, 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302

- 160.055/105/2 Model V-6155, Adult L/XL, "COMMERCIAL WHITE WATER VEST", Type V PFD.
160.055/106/2 Model V-6155, Adult S/M, "COMMERCIAL WHITE WATER VEST", Type V PFD.
160.055/126/0 Model ILJ-100, Adult, "OFF-SHORE LIFEJACKET", Type I PFD.
160.055/131/0 Model ILJ-101, Child, "OFF-SHORE LIFEJACKET", Type I PFD.
160.055/152/0 Model V-6145, Child Medium, "COMMERCIAL WHITE WATER VEST", Type V PFD.
160.055/160/0 Model ILJ-110, Adult Universal, "OFF-SHORE LIFEJACKET", TYPE I PFD.
160.055/173/0 Model ILJ-111, Child, "OFF-SHORE LIFEJACKET", Type I PFD.

Taylortec, Inc., 16152 E. Club Deluxe Rd., Hammond, LA 70403

- 160.055/97/0 Model LP-1C or 66, Child, "LIFE PRESERVER", Type I PFD.
160.055/136/0 Model LP-2A, Adult, "LIFE PRESERVER", Type I PFD.
160.055/137/0 Model LP2C, Child, "LIFE PRESERVER", Type I PFD.
160.055/146/0 Model LP-1A, Adult, "LIFE PRESERVER", Type I PFD.
160.055/156/0 Model LP-1A, Adult, white, "LIFE PRESERVER", Type V PFD.
160.055/164/0 Model LP-10-A, Adult, "OFFSHORE LIFEJACKET", TYPE I PFD.
160.055/165/0 Model LP-10-C, Child, unicellular polyethylene foam "OFFSHORE LIFEJACKET", TYPE I PFD.
160.055/177/0 Model LP-11, Extended Size, "OFF-SHORE LIFEJACKET", Type I PFD.
160.055/178/0 Model LP-1C or 66, Child, White, "LIFE PRESERVER", Type V PFD.

Wellington Leisure Products Inc., 1140 Monticello Hwy, P.O. Box 244, Madison, GA 30650

- 160.055/144/0 Type V Whitewater Rafting Vest, Child (50 to 90 lb), Model 1062-1.
160.055/145/0 Type V Whitewater Rafting Vest, Adult Universal, Model 1062-1.

160.057 SIGNALS, DISTRESS, FLOATING ORANGE SMOKE (15 MINUTE)

See approvals under 160.157 series also.

Comet GmbH, Postfach 10-02-67, D-2850 Bremerhaven 1, Federal Republic of Germany
160.057/8/0 Article No. 1217.

Norabel AB, P.O. Box 93, S-427 00 Billdal, Sweden
160.057/6/0 Floating Orange Smoke Distress Signal, 15 minutes.

LIFESAVING EQUIPMENT

Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom
160.057/7/1 Pains-Wessex/Schermuly BuoySmoke, 15-minute smoke signal.

160.058 DESALTER KITS, SEA WATER

PUR, Div. Recovery Engineering, Inc., 2229 Edgewood Ave. South, Minneapolis, MN 55426
160.058/6/0 Model Survivor-35, reverse osmosis desalinator apparatus.
160.058/7/0 Desalinator apparatus, Survivor-06 and Survivor-06 LL, reverse osmosis, hand-operated, capable of producing 0.90 liters/hr of potable water.

Sybron Corp., Ionac Chemical Division, P.O. Box 66, Birmingham, NJ 08011
160.058/1/1 Ionac BM-6318.
160.058/3/0 Ionac B-0010; cylindrical container.

160.060 BUOYANT VESTS, UNICELLULAR POLYETHYLENE FOAM
TYPE II PFD'S

Approved for use on all recreational boats and uninspected commercial vessels less than 40 feet in length, not carrying passengers for hire.

America's Cup, Inc., P.O. Box 2009, La Puente, CA 91746-0009
160.060/63/0 Type II Buoyant Vest, Child (30 to 50 lb), Model AY-0-1.
160.060/64/0 Type II Buoyant Vest, Youth (50 to 90 lb), Model AY-0-2.
160.060/65/0 Type II Buoyant Vest, Adult Universal, Model AY-0-3.

Ero Industries Inc., 308 South Williams St., PO Box 755, Hazlehurst, GA 31539
160.060/34/0 Model 4156, Adult, "BUOYANT VEST", Type II PFD.
160.060/35/0 Model 4161, Child Medium, "BUOYANT VEST", Type II PFD.
160.060/36/0 Model 4166, Child Small, "BUOYANT VEST", Type II PFD.
160.060/43/0 Model A2 (with tie tapes) or Model A2A (without tie tapes), Adult, cloth covered, polyethylene foam "BUOYANT VEST", Type II PFD.
160.060/44/0 Model CM2, Child Medium (for persons 50 to 90 lb), cloth covered, polyethylene foam "BUOYANT VEST", Type II PFD.
160.060/45/0 Model CS2, Child Small (for persons less than 50 lb), cloth covered, polyethylene foam "BUOYANT VEST", Type II PFD.
160.060/68/0 Model M2, Child Medium, "GENERAL PURPOSE VEST", Type II PFD.
160.060/70/0 Model KCS, Infant, Child Small, "BUOYANT VEST", Type II PFD.
160.060/78/0 Model ICS-1 Infant/Child Small, "NEAR SHORE BUOYANT VEST", Type II PFD.

Kent Sporting Goods Co., 433 Park Avenue S, State Route 60, New London, OH 44851
160.060/22/0 Type II Buoyant Vest, Adult Universal, Model AY-2.
160.060/23/0 Type II Buoyant Vest, Child Medium (50 to 90 lb), Model CYM-2.
160.060/24/0 Type II Buoyant Vest, Child Small (under 50 lb), Model CYS-2.
160.060/40/1 Model CMF-1, Child Medium, "BUOYANT VEST", Type II PFD.
160.060/42/2 Model KF-1, Adult Universal, "BUOYANT VEST", Type II PFD.
160.060/75/0 Model KF Adult Universal, (for persons more than 90 lb), fabric covered, "BUOYANT VEST", Type II PFD.
160.060/76/0 Model 2PW, Infant/Child Small, "BUOYANT VEST", Type II PFD.
160.060/77/0 Model 2PWV, Infant/Child Small, "BUOYANT VEST", Type II PFD.
160.060/79/0 Model CSF-2, Child Small, "BUOYANT VEST", Type II PFD.
160.060/83/0 Model SKF, Adult Super Large, "BUOYANT VEST", Type II PFD.

The Safeguard Corp., PO Box 2004, Covington, KY 41012
160.060/50/0 Model MP-3, Child Medium, "BUOYANT VEST", Type II PFD.
160.060/51/1 Model SP-S, Child Small, "NEAR SHORE BUOYANT VEST", Type II PFD.

EQUIPMENT LISTS

- 160.060/66/0 Type II Buoyant Vest, Adult 30"-52", Model AP-3/1.
 160.060/69/0 Type II Buoyant Vest, Adult Universal, Model APY or APY-1.

Wellington Leisure Products Inc., 1140 Monticello Hwy, P.O. Box 244, Madison, GA 30650
 160.060/74/0 Model 3000, 3001, and 3002 (PE), infant/child small (for persons less than 50 lb), fabric covered,
 "BUOYANT VEST", Type II PFD.

160.061 FISHING TACKLE KITS, EMERGENCY

Datrex, Inc., P.O. Box 1150, Kinder, LA 70648
 160.061/8/0 Model DX1514M.

F & L Packing Corp., 681 Main St., Belleville, NJ 07109
 160.061/6/0 Emergency fishing tackle kit, Model FL-214.

Monroe Industries, 38 Russell Ave, Orange, CT 06504
 160.061/2/0 Model FK-3E85 Emergency Fishing Kit.

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, NY 10001
 160.061/4/2 Model RSCF-182 emergency fishing tackle kit.

Rubber Fabricators, Inc., Saf-T-Pak Division, P. O. Box 556, Grantsville, WV 26147
 160.061/7/0 Emergency Fishing Tackle Kit, Model BA1715 in zip-lock plastic bag and MIL-B-131 Class III
 outer wrap.

160.062 HYDRAULIC (HYDROSTATIC) RELEASES

See approvals under 160.162 series also.

C. M. Hammar Handels AB, P.O. Box 197, 421 22 V. Frolunda, Goteborg, Sweden
 160.062/5/2 Model H20R disposable hydrostatic release device, for installations of float-free lifesaving
 equipment for release at water depths of not more than 4 meters.
 160.062/6/0 Model H20E disposable hydrostatic release device, with plastic bolt for float-free EPIRB installation,
 for release at water depths of not more than 4 meters.

Raftgo Hendry Manufacturing Co., 12-A Pamaron Way, Novato, CA 94947
 160.062/1/5 Raftgo Model D hydraulic and manual release, for installations of lifesaving equipment producing
 buoyant loads of 200 to 3,750 lb. Complies with SOLAS 74/83.

Switlik Parachute Co., Inc., 1325 East State St., P.O. Box 1328, Trenton, NJ 08607
 160.062/3/0 Model S-880.

Thanner & Co. A/S, Randersvej 10, P.O. Box 127, 6701 Esbjerg, Denmark
 160.062/4/0 Model Thanner DK 84.

Hydraulic Release Testing Facilities

The following facilities are accepted by the Coast Guard for the annual testing of hydraulic releases:

Alexander Manufacturing and Service Co., Inc., 7759 Townsend Place, New Orleans, LA 70124

Alexander Industries, Inc., 2332 Wayside, Houston, TX 77011

American Marine, Inc., 615 North 16th Ave. East, Duluth, MN 55872

Atlantis Marine & Industrial Supply, Inc., 832 Baronne St., New Orleans, LA 70113

LIFESAVING EQUIPMENT

- W. H. Brennan & Co. (PTE) Ltd., 47 Loyang Way, Singapore 1750, Singapore
- Coast Marine & Industrial Supply, Inc., 398 Jefferson St., San Francisco, CA 94133
- Datrex, Inc., 3795 NW 25th St., Miami, FL 33142
- Eagle Enterprises, Inc., 700 West International Airport Road, Bldg. B, Anchorage, AK 99518-1122
- Fire Protection Service, Inc., 8050 Harrisburg Blvd., Houston, TX 77012
- Hewett Marine Inc., 555 Selby St., San Francisco, CA 94124
- Inflatable Services, Inc., 990 State Road 84, Fort Lauderdale, FL 33315
- K & S Hydro, 508 Beacon St., San Pedro, CA 90731
- Mr. Joseph Katz, 255 East Main St., Gloucester, MA 01930
- Landrigan Corporation, Logan International Airport, 2-12 Jeffries St., Boston, MA 02128
- Life Support Systems Hawaii, 104-D Lagoon Drive, Honolulu, HI 96819
- Marine Safety Services, Inc., 1290 E. Honeymoon Bay Rd., Greenbank, WA 98253
- Marine Safety Services, Inc., 1533 N.W. Market, Ballard, WA 98107
- Marine Ship Supply, 1145 NW 46th St., Seattle, WA 98107
- Mobile Ship Chandlery, Inc., 210 St. Louis St., Mobile, AL 36602
- Oceana BV, Waalhaven O.Z. 119, Pier 4, Haven 2225, 3087 BM Rotterdam, Netherlands
- Offshore Suppliers, Inc., 413 Causeway Blvd., Metairie, LA 70001
- Pacific Marine Distributors, Inc., 2320 NW 21st Ave., Portland, OR 97209
- Paxton, Inc., 1111 Ingleside Rd., P.O. Box 12103, Norfolk, VA 23502
- Puget Sound Inflatables, Inc., 309 South Cloverdale St., Suite A-9, Seattle, WA 98108
- Marine Safety Corp., P.O. Box 465, Foot of Industrial Road, Farmingdale, NJ 07727
- Sea Mate Marine, Inc., 2030 Kettner Blvd., San Diego, CA 92101
- Sea Safety International, Inc., P.O. Box 3280, Hoboken, NJ 07030
- Shoreline Marine, Inc., 7776 Braniff, Houston, TX 77061
- South African Diving Services (Pty) Ltd., 56 Dudley Street, Jacobs, Durban 4052, South Africa
- Southeast Ocean Survival, 1900 Tongass Ave., Ketchikan, AK 99901
- Westmar Services, Inc., P.O. Box 81105, Seattle, WA 98108
- Westpac Marine Service, Inc., 3032-B River Road East, Tacoma, WA 98443

EQUIPMENT LISTS

Westerbeke Fishing Gear Company, Inc., Fish Pier Road, Boston, MA 02210

Yokohama Tsusho Co. Ltd., 12-5, 1-Chome, Fuku-Ura, Kanazawa-Ku, Yokohama 236, Japan

Hydraulic Release Repair Facilities

The following facilities are accepted by the Coast Guard as repair facilities for the testing and reconditioning of hydraulic releases:

Pacific Marine Distributors, Inc., 2320 NW 21st Ave., Portland, OR 97209 (for SWITLIK releases).

160.063 LAUNCHING DEVICE FOR INFLATABLE LIFE RAFTS

Used with automatic disengaging devices listed under 160.070.

Alexander Industries, Inc., 7759 Townsend Place, New Orleans, LA 70126

160.063/4/0 Type AMS-100 fixed-arm liferaft launching device with attached single-drum winch; maximum working load 4,704 lb on a single-part fall.

160.063/10/1 Model AIW-101 swivel-arm; 4,704 lb, one-part fall.

Davit International GmbH, Berliner Strasse 73-75, Postfach 1566, W-2838 Sulingen, Federal Republic Of Germany

160.063/12/0 Type SRR 2100 slewing-arm and Model 13-01 winch; 4,720 lb, one-part fall.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759

160.063/1/1 Type R-50-B crank-out luffing arm with W-50H pedestal winch; 5,000 lb, one-part fall.

160.063/2/0 Type SAR/2.1/12 radial arm; 4,704 lb, one-part fall.

160.063/3/2 Type FR-50(MK-I) fixed-arm with Type R-50H-1(MK-I) winch; 5,000 lb, one-part fall.

160.063/5/0 Type FR-50(20/25) fixed-arm with Type R-50H-1(MK-I) winch; 5,000 lb, one-part fall.

160.063/6/0 Type LAR/2.1/12 fixed-arm; 4,704 lb, one-part fall.

160.063/7/1 Type GR-50 luffing-arm with Type R-50H-1(MK-I) pedestal winch; 5,000 lb, one-part fall.

160.063/13/1 Type FR-50-DM fixed-arm approved for a maximum working load of 5,000 lb on a single-part fall. Outreach of arm sufficient for 25-person rafts. Complies with SOLAS 74/83. Equipment has dual approval; also approved under 160.163/7/0.

160.064 MARINE BUOYANT DEVICES,
TYPE II, III, AND IV PFD'S, AND TYPE V RESTRICTED USE PFD'S

See PFD label for the approved uses of these devices, as they vary for the different types.

America's Cup, Inc., P.O. Box 2009, La Puente, CA 91746-0009

160.064/221/1 Type III Yachting/Flotation Jacket, Adult Small, Model 404, 1100SS, and 1100.

160.064/222/1 Type III Yachting/Flotation Jacket, Adult Medium, Model 1100.

160.064/223/1 Type III Yachting/Flotation Jacket, Adult Large, Model 1100.

160.064/224/1 Type III Yachting/Flotation Jacket, Adult X-Large, Model 1100.

160.064/539/1 Type III Yachting/Flotation Jacket, Adult X-Small, Model 1100SS, and 1100.

160.064/633/1 Type III Buoyant Vest, Adult 32"-36", Model 505.

160.064/634/1 Type III Buoyant Vest, Adult 36"-40", Model 505.

160.064/635/1 Type III Buoyant Vest, Adult 40"-44", Model 505.

160.064/640/1 Type III Yachting/Flotation Jacket, Adult XX-Large, Model 1100.

160.064/750/1 Type III Buoyant Vest, Adult 44"-48", Model 505.

160.064/1033/0 Type III Buoyant Vest, Child Small (30-50 lb), Model 505.

160.064/1034/1 Type III Buoyant Vest, Adult 28"-32", Model 505.

160.064/1035/0 Type III Buoyant Vest, Child 24"-28" (50-90 lb), Model 505.

160.064/1823/0 Type III Buoyant Vest, Child Small (30-50 lb), Model 900.

LIFESAVING EQUIPMENT

- 160.064/1824/0 Type III Buoyant Vest, Child Medium (50–90 lb), Model 900.
 160.064/1825/0 Type III Buoyant Vest, Adult X–Small, Model 900.
 160.064/1826/0 Type III Buoyant Vest, Adult Small, Model 900.
 160.064/1827/0 Type III Buoyant Vest, Adult Small/Medium, Model 900.
 160.064/1828/0 Type III Buoyant Vest, Adult Large, Model 900.
 160.064/1829/0 Type III Buoyant Vest, Adult Large/X–Large, Model 900.
 160.064/1914/0 Type III Buoyant Vest, Adult 28"–32", Model 606M.
 160.064/1915/0 Type III Buoyant Vest, Adult 32"–36", Model 606M.
 160.064/1916/0 Type III Buoyant Vest, Adult 36"–40", Model 606M.
 160.064/1917/0 Type III Buoyant Vest, Adult 40"–44", Model 606M.
 160.064/1918/0 Type III Buoyant Vest, Adult 44"–50", Model 606M.
 160.064/1919/1 Type III Buoyant Vest, Adult 30"–33", Model 606L.
 160.064/1920/1 Type III Buoyant Vest, Adult 33"–36", Model 606M.
 160.064/1921/1 Type III Buoyant Vest, Adult 36"–40", Model 606M.
 160.064/2107/0 Type V Buoyant Vest, Adult Universal, Model 900.
 160.064/2111/0 Type III Buoyant Vest, Adult 50"–55", Model 606M.
 160.064/2142/1 Type III Buoyant Vest, Adult Small/Medium, Model 100W.
 160.064/2143/1 Type III Buoyant Vest, Adult, Large/X–Large, Model 100W.
 160.064/2144/1 Type III Buoyant Vest, Youth (50–90 lb), Model 100W.
 160.064/2303/0 Type IV Buoyant Cushion, 15"x15", Model EP–A–3.
 160.064/2304/0 Type III Buoyant Vest, Adult XX–Large, Model 900.
 160.064/2305/0 Type IV Buoyant Cushion 15"x15", Model PV–A–3.
 160.064/2503/0 Type III Buoyant Vest, Adult 30"–52", Model 90.
 160.064/2504/0 Type III Buoyant Vest, Adult 32"–40", Model 90.
 160.064/2505/0 Type III Buoyant Vest, Adult 42"–50", Model 90.
 160.064/2506/0 Type III Buoyant Vest, Child 20"–24" (30–50 lb), Model 10.
 160.064/2507/0 Type III Buoyant Vest, Child 24"–28" (50–90 lb), Model 10.
 160.064/2508/0 Type III Buoyant Vest, Adult 30"–52", Model 10.
 160.064/2509/0 Type III Buoyant Vest, Adult 36"–38", Model 200.
 160.064/2510/0 Type III Buoyant Vest, Adult 40"–42", Model 200.
 160.064/2511/0 Type III Buoyant Vest, Adult 44"–46", Model 200.
 160.064/2512/0 Type III Buoyant Vest, Adult 48"–50", Model 200.
 160.064/2513/0 Type III Buoyant Vest, Adult 50"–52", Model 200.
 160.064/2520/0 Type III Buoyant Vest, Child 20"–24" (30–50 lb), Model 10 w/collar.
 160.064/2654/0 Type III Flotation Jacket, Adult Small, Model 1040.
 160.064/2655/0 Type III Flotation Jacket, Adult Medium, Model 1040.
 160.064/2656/0 Type III Flotation Jacket, Adult Large, Model 1040.
 160.064/2657/0 Type III Flotation Jacket, Adult X–Large, Model 1040.
 160.064/2658/0 Type III Buoyant Vest, Adult 32"–36", Model 305.
 160.064/2659/0 Type III Buoyant Vest, Adult 36"–40", Model 305.
 160.064/2660/0 Type III Buoyant Vest, Adult 40"–44", Model 305.
 160.064/2661/0 Type III Buoyant Vest, Adult 44"–50", Model 305.
 160.064/2662/0 Type III Buoyant Vest, Adult 32"–36", Model 300.
 160.064/2663/0 Type III Buoyant Vest, Adult 36"–40", Model 300.
 160.064/2664/0 Type III Buoyant Vest, Adult 40"–44", Model 300.
 160.064/2665/0 Type III Buoyant Vest, Adult 44"–50", Model 300.
 160.064/2765/0 Model 7000, Adult Small (32" – 36" chest), cloth-covered unicellular plastic foam "DECKSUIT", Type V PFD.
 160.064/2766/0 Model 7000, Adult Medium (36" – 40" chest), cloth-covered unicellular plastic foam "DECKSUIT", Type V PFD.
 160.064/2767/0 Model 7000, Adult Large (40" – 46" chest), cloth-covered unicellular plastic foam "DECKSUIT", Type V PFD.

EQUIPMENT LISTS

160.064/2768/0 Model 7000, Adult X-Large (46" - 52"), cloth-covered unicellular plastic foam "DECKSUIT", Type V PFD.

160.064/2769/0 Model 310, Adult Small (32" - 36" chest), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2770/0 Model 310, Adult Medium (36" - 40" chest), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2771/0 Model 310, Adult Large (40" - 44" chest), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2772/0 Model 310, Adult X-Large (44" - 50" chest), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2773/0 Model 1060, Adult X-Large, cloth covered unicellular plastic foam "FLOTATION JACKET", TYPE III PFD.

160.064/2777/0 Model 900A, Child Small (for persons 30 - 50 lb), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2778/0 Model 900A, Youth (for persons 50 - 90 lb), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2779/0 Model 900A, Adult X-Small, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2780/0 Model 900A, Adult Small, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2781/0 Model 900A, Adult Medium, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2782/0 Model 900A, Adult Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2783/0 Model 900A, Adult X-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2784/0 Model 900A, Adult Small/Medium, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2785/0 Model 900A, Adult Large/X-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2786/0 Model 900A, Adult XX-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2787/0 Model 900A, Adult Universal, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2788/0 Model 900B, Child Small (for persons 30 - 50 lb), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2789/0 Model 900B, Youth (for persons 50 - 90 lb), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2790/0 Model 900B, Adult X-Small, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2791/0 Model 900B, Adult Small, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2792/0 Model 900B, Adult Medium, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2793/0 Model 900B, Adult Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2794/0 Model 900B, Adult X-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2795/0 Model 900B, Adult Small/Medium, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/2796/0 Model 900B, Adult Large/X-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

LIFESAVING EQUIPMENT

- 160.064/2797/0 Model 900B, Adult XX-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2798/0 Model 900B, Adult Universal, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2799/0 Model 900D, Child Small (for persons 30 – 50 lb), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2800/0 Model 900D, Youth (for persons 50 – 90 lb), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2801/0 Model 900D, Adult X-Small, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2802/0 Model 900D, Adult Small, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2803/0 Model 900D, Adult Medium, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2804/0 Model 900D, Adult Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2805/0 Model 900D, Adult X-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2806/0 Model 900D, Adult Small/Medium, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2807/0 Model 900D, Adult Large/X-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2808/0 Model 900D, Adult XX-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2809/0 Model 900D, Adult Universal, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2930/1 Model 900A, Adult XXX-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2931/0 Model 900B, Adult XXX-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2932/0 Model 900D, Adult XXX-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2937/0 Model 110W, Adult Universal, cloth covered unicellular plastic foam "WHITE WATER PFD", Type V PFD.
- 160.064/3122/0 Model 150, Adult Universal, "BOATING VEST", Type III PFD.
- 160.064/3123/0 Model 151, Adult Universal, "BOATING VEST", Type III PFD.
- 160.064/3175/0 Model 7000, Adult XX-Large, "DECK SUIT", Type V PFD.
- 160.064/3193/0 Model 900PE, Infant/Child Small, "BUOYANT VEST" Type II PFD.
- American Recreation Products, 4949 Joseph Hardin Drive, Dallas, TX 75236
- 160.064/2832/0 Model CXXS, Adult X-Small, "GENERAL PURPOSE", Type III PFD.
- Armour Of America, 14812 Calvert St, Van Nuys, CA 91411
- 160.064/2478/0 Type V Armour Float Vest, Adult 36"-40", Model 513.
- 160.064/2479/0 Type V Armour Float Vest, Adult 42"-46", Model 513A.
- 160.064/2480/0 Type V Armour Float Vest, Adult 46"-48", Model 513B.
- 160.064/2737/0 Type V Armour Float Vest, Adult 35"-38", Model 535.
- 160.064/2738/0 Type V Armour Float Vest, Adult 40"-43", Model 535A.
- 160.064/2739/0 Type V Armour Float Vest, Adult 45"-48", Model 535B.
- C Cushions, Inc., 313 North Bronte, Rockport, TX 78382
- 160.064/2408/0 Model C101, 16 in x 15 in x 2-1/2 in, vinyl covered unicellular plastic foam "BUOYANT CUSHION", Type IV PFD.

EQUIPMENT LISTS

Cal-June Corporation, P.O. Box 9551, North Hollywood, CA 91609-1551

- 160.064/76/0 Model 920 and 1020, "Horseshoe Buoy", Type IV PFD.
- 160.064/185/0 Model G-19, "LIFE RING BUOY", Type IV PFD.
- 160.064/228/0 Model 940 and 1040, "Horseshoe Buoy", Type IV PFD.
- 160.064/1228/1 Model 101, 15 1/2" x 15 1/2" x 2 1/2", "BUOYANT CUSHION", Type IV PFD.
- 160.064/2593/0 Model 820, 23 by 22 by 4-3/4, "HORSESHOE BUOY", Type IV PFD.
- 160.064/2594/0 Model 840, "HORSESHOE BUOY", Type IV PFD.
- 160.064/3192/0 Model JB-19, 19-inch, "RING BUOY", Type IV PFD.

Carlton Rubber Products Co., 1 New Haven Avenue, Derby, CT 06418

- 160.064/12/0 Type IV Ring Buoy 18", Model KS-18.

Casad Manufacturing Company, P.O. Box 88, 319 South Park Drive, St. Marys, OH 45885

- 160.064/2900/0 Model 3100A, X-Small, "FLOTATION AID/WET SUIT VEST", (sleeveless, short and long sleeves), Type III PFD.
- 160.064/2901/0 Model 3100B, Small, "FLOTATION AID/WET SUIT VEST", (sleeveless, short and long sleeves), Type III PFD.
- 160.064/2902/0 Model 3100C, Medium, "FLOTATION AID/WET SUIT VEST", (sleeveless, short and long sleeves), Type III PFD.
- 160.064/2903/0 Model 3100E, Large, "FLOTATION AID/WET SUIT VEST", (sleeveless, short and long sleeves), Type III PFD.
- 160.064/2904/0 Model 3100F, X-Large, "FLOTATION AID/WET SUIT VEST", (sleeveless, short and long sleeves), Type III PFD.
- 160.064/2905/0 Model 3-3300A, X-Small, "FLOTATION AID/WET SUIT" (with SHORT LEGS), Type V PFD.
- 160.064/2906/0 Model 3-3300B, Small, "FLOTATION AID/WET SUIT" (with SHORT LEGS), Type V PFD.
- 160.064/2907/0 Model 3-3300C, Medium, "FLOTATION AID/WET SUIT" (with SHORT LEGS), Type V PFD.
- 160.064/2908/0 Model 3-3300E, Large, "FLOTATION AID/WET SUIT" (with SHORT LEGS), Type V PFD.
- 160.064/2909/0 Model 3-3300F, X-Large, "FLOTATION AID/WET SUIT" (with SHORT LEGS), Type V PFD.
- 160.064/2910/0 Model 3-3400A, X-Small, "FLOTATION AID/WET SUIT" (with LONG LEGS), Type V PFD.
- 160.064/2911/0 Model 3-3400B, Small, "FLOTATION AID/WET SUIT" (with LONG LEGS), Type V PFD.
- 160.064/2912/0 Model 3-3400C, Medium, "FLOTATION AID/WET SUIT" (with LONG LEGS), Type V PFD.
- 160.064/2913/0 Model 3-3400E, Large, "FLOTATION AID/WET SUIT" (with LONG LEGS), Type V PFD.
- 160.064/2914/0 Model 3-3400F, X-Large, "FLOTATION AID/WET SUIT" (with LONG LEGS), Type V PFD.

Coast Catamaran Corp (dba Hobie Cat), PO Box 1008, Oceanside, CA 92054

- 160.064/E1461/0 Model ANSS, Youth (24" - 28" chest), cloth-covered unicellular plastic foam "SKI 'N SPORTS VEST", Type III PFD.
- 160.064/E1462/0 Type III Ski & Sports Vest, Adult X-Small, Model ANMS.
- 160.064/E1463/0 Type III Ski & Sports Vest, Adult Small, Model ANS.
- 160.064/E1464/0 Type III Ski & Sports Vest, Adult Medium, Model ANM.
- 160.064/E1465/0 Type III Ski & Sports Vest, Adult Large, Model ANL.
- 160.064/E1466/0 Type III Ski & Sports Vest, Adult X-Large, Model ANXL.
- 160.064/E2270/0 Type III Sailing or Canoeing Vest, Adult Small/Medium, Model SC-1.
- 160.064/E2271/0 Type III Sailing or Canoeing Vest, Adult Large, Model SC-1.

Coleman Outdoor Products Inc., Hwy 341 E, P.O. Box 1119, Lake City, SC 29560

- 160.064/1460/0 Model ANXS, Child, "SKI 'N SPORTS VEST", Type III PFD.
- 160.064/1461/0 Model ANSS or SKY, Youth, "SKI 'N SPORTS VEST", Type III PFD.
- 160.064/1462/0 Model ANMS or SKXS, Adult X-Small "SKI 'N SPORT VEST", Type III PFD.
- 160.064/1463/0 Model ANS or SKS, Adult Small, "SKI 'N SPORT VEST", Type III PFD.
- 160.064/1464/0 Model ANM or SKM, Adult Medium, "SKI 'N SPORT VEST", Type III PFD.
- 160.064/1465/0 Model ANL or SKL, Adult Large, "SKI 'N SPORT VEST" Type III PFD.
- 160.064/1466/0 Model ANXL or SKXL, Adult X-Large, "SKI 'N SPORT VEST", Type III PFD.

LIFESAVING EQUIPMENT

- 160.064/2087/0 Model CIMS, Adult X-Small, "COMPETITION SKI VEST", Type III PFD.
 160.064/2088/0 Model CJS, Adult Small, "COMPETITION SKI VEST", Type III PFD.
 160.064/2089/0 Model CJM, Adult Medium, "COMPETITION SKI VEST", Type III PFD.
 160.064/2090/0 Model CIL, Adult Large, "COMPETITION SKI VEST", Type III PFD.
 160.064/2185/0 Model CJXL, Adult X-Large, "COMPETITION SKI VEST", Type III PFD.
 160.064/2195/0 Model ANXXL, Adult XX-Large, "SKI 'N SPORTS VEST", Type III PFD.
 160.064/2270/0 Type III Sailing or Canoeing Vest, Adult Small/Medium, Model SC-1.
 160.064/2271/0 Type III Sailing or Canoeing Vest, Adult Large, Model SC-1.
 160.064/2319/0 Type III High Performance Boating Vest, Adult 32"-36", Model 301.
 160.064/2320/0 Type III High Performance Boating Vest, Adult 36"-40", Model 301.
 160.064/2321/0 Type III High Performance Boating Vest, Adult 40"-44", Model 301.
 160.064/2322/0 Type III High Performance Boating Vest, Adult 44"-48", Model 301.
 160.064/2327/0 Type III General Recreation Vest, Adult XXX-Large, Model 101/102/103.
 160.064/2451/0 Model 301, Adult XX-Large, "HIGH PERFORMANCE BOATING", Type III PFD.
 160.064/2467/0 Model C-2, 15 x 15 x 2 1/2, "THROWABLE DEVICE" OR "BUOYANT CUSHION", Type IV PFD.
 160.064/2483/0 Type III General Recreation Vest, Adult Universal, Model 105.
 160.064/2484/0 Type III Sportsman Vest, Adult Universal, Model 106.
 160.064/2485/0 Type III Boating Vest, Adult Universal, Model 107.
 160.064/2568/0 Model 701, Adult Small, "CANOEING VEST", Type III PFD.
 160.064/2569/0 Model 701, Adult Medium, "CANOEING VEST", Type III PFD.
 160.064/2570/0 Model 701, Adult Large, "CANOEING VEST", Type III PFD.
 160.064/2571/0 Model 701, Adult X-Large, "CANOEING VEST", Type III PFD.
 160.064/2572/0 Model 701, Adult XX-Large, "CANOEING VEST", Type III PFD.
 160.064/2603/0 Type III Ski or General Purpose Vest, Adult Small/Medium, Model 114.
 160.064/2604/0 Type III Ski or General Purpose Vest, Adult Large/X-Large, Model 114.
 160.064/2626/0 Model 403, Child, "BOATING VEST", Type III PFD.
 160.064/2627/0 Model 403, Youth, "BOATING VEST", Type III PFD.
 160.064/2628/0 Model 401, 402, and 403, Adult Small/Medium, "GENERAL RECREATION VEST", "SPORTSMAN VEST" OR "BOATING VEST", Type III PFD.
 160.064/2629/0 Model 401, 402, and 403, Adult Large/X-Large, "GENERAL RECREATION VEST", "SPORTSMAN VEST", OR "BOATING VEST", Type III PFD.
 160.064/2630/0 Model 404, Youth, "SKI VEST", Type III PFD.
 160.064/2631/0 Model 404, Adult Small/Medium, "SKI VEST", Type III PFD.
 160.064/2632/0 Model 404, Adult Large/X-Large, "SKI VEST", Type III PFD.
 160.064/2637/0 Model 406, 410, Adult Universal, "BOATING VEST" OR "UNIVERSAL SKI VEST", Type III PFD.
 160.064/2638/0 Type III Boating Vest, Adult 30"-40", Model 408.
 160.064/2639/0 Type III Boating Vest, Adult 40"-50", Model 408.
 160.064/2640/0 Model 409, Adult XXX-Large, "BOATING VEST", OR "ROLL COLLAR BOATING VEST", Type III PFD.
 160.064/2641/0 Model 801, Adult Small/Medium, "FISHING VEST", Type III PFD.
 160.064/2642/0 Model 801, Adult Large/X-Large, "FISHING VEST", Type III PFD.
 160.064/2721/1 Model 150, Infant, "BOATING VEST", Type II PFD.
 160.064/2722/1 Model 151, Child, "BOATING VEST", Type II PFD.
 160.064/2774/0 Model 900, Adult Petite (28" - 32" chest), cloth-covered unicellular plastic foam "SKI VEST", Type III PFD.
 160.064/2775/0 Model 900, Adult Small (32" - 36" chest), cloth-covered unicellular plastic foam "SKI VEST", Type III PFD.
 160.064/2776/0 Model 900, Adult Medium (36" - 40" chest), cloth-covered unicellular plastic foam "SKI VEST", Type III PFD.
 160.064/2826/0 Model C-3, 15 x 15 x 2 1/2, "BUOYANT CUSHION" OR "THROWABLE DEVICE", Type IV PFD.

EQUIPMENT LISTS

160.064/2884/0 Model C-5, 15" x 16-1/2" x 2-1/2", cloth-covered unicellular plastic foam "BUOYANT CUSHION", Type IV PFD.

160.064/2885/0 Model C-6, 13" x 23" x 2-1/2", cloth-covered unicellular plastic foam "BUOYANT CUSHION", Type IV PFD.

160.064/2988/0 Model MS90, Adult X-Small, "SKI VEST", Type III PFD.

160.064/2989/0 Model MS90, Adult Small, "SKI VEST", Type III PFD.

160.064/2990/0 Model MS90, Adult Medium, "SKI VEST", Type III PFD.

160.064/2991/0 Model MS90, Adult Large, "SKI VEST", Type III PFD.

160.064/2992/0 Model MS90, Adult X-Large, "SKI VEST", Type III PFD.

160.064/2998/0 Model LS90, Adult Petite, "SKI VEST", Type III PFD.

160.064/2999/0 Model LS90, Adult Small, "SKI VEST", Type III PFD.

160.064/3000/0 Model LS90, Adult Medium, "SKI VEST", Type III PFD.

160.064/3001/0 Model LS90, Adult Large, "SKI VEST", Type III PFD.

160.064/3022/0 Model ANMMS Adult XX-Small, "SKI N SPORT VEST", Type III PFD.

160.064/3023/0 Model CJMMS, Adult XX-Small, "COMPETITION SKI VEST", Type III PFD.

160.064/3024/0 Model CJXXL, Adult XX-Large, "COMPETITION SKI VEST", Type III PFD.

160.064/3209/0 Model MN92, Adult X-Small, "COMPETITION SKI VEST", III PFD.

160.064/3210/0 Model MN92, Adult Small, "COMPETITION SKI VEST", III PFD.

160.064/3211/0 Model MN92, Adult Medium, "COMPETITION SKI VEST", III PFD.

160.064/3212/0 Model MN92, Adult Large, "COMPETITION SKI VEST", III PFD.

160.064/3213/0 Model MN92, Adult X-Large, "COMPETITION SKI VEST", III PFD.

Connelly Skis Inc., Surfer House Div., 20621 52nd Ave. W, Lynnwood, WA 98036

160.064/3132/0 Model 360, Adult Small, "SKI VEST", Type III PFD.

160.064/3133/0 Model 360, Adult Medium, "SKI VEST", Type III PFD.

160.064/3134/0 Model 360, Adult Large, "SKI VEST", Type III PFD.

160.064/3135/0 Model 360, Adult X-Large, "SKI VEST", Type III PFD.

Creative Foam Corp., 300 North Alloy Dr., Fenton, MI 48430

160.064/1661/0 Type III Sailing & Water Ski Vest, Adult Small, Model 2003.

160.064/1662/0 Type III Sailing & Water Ski Vest, Adult Medium, Model 2004.

160.064/1663/0 Type III Sailing & Water Ski Vest, Adult Large, Model 2005.

160.064/1664/0 Type III Sailing & Water Ski Vest, Adult X-Large, Model 2006.

160.064/2079/0 Type III Sail/Water Ski/Buoyant Vest, Child Small (30-50 lb), Model 2000.

160.064/2342/0 Type IV Buoyant Cushion 16"x14", Model 4000.

160.064/2887/0 Model 21004, 20 inch, "LIFE RING", Type IV PFD.

160.064/2888/0 Model 21007, 24 inch, "LIFE RING", Type IV PFD.

Ero Industries Inc, 308 South Williams St., PO Box 755, Hazlehurst, GA 31539

160.064/1549/0 Model 700A, Adult Small, "WATER SKI VEST", Type III PFD.

160.064/1550/0 Model 700A, Adult Medium, "WATER SKI VEST", Type III PFD.

160.064/1551/0 Model 700A, Adult Large, "WATER SKI VEST", Type III PFD.

160.064/1552/0 Model 700A, Adult X-Large, "WATER SKI VEST", Type III PFD.

160.064/1596/0 Model 225, 15" x 15" x 2 3/4", "BUOYANT CUSHION", Type IV PFD.

160.064/1731/0 Type III Water Ski Vest, Child Small (30-50 lb), Model 700-A.

160.064/1788/0 Model 226, 15" x 15" x 2 1/2", "BUOYANT CUSHION", Type IV PFD.

160.064/1821/0 Model 227, 13" x 18" x 2 1/2", "BUOYANT CUSHION", Type IV PFD.

160.064/1822/0 Model 228, 13" x 18" x 2 1/2", "BUOYANT CUSHION", Type IV PFD.

160.064/2113/0 Type III Buoyant Vest, Child Small (30-50 lb), Model VCS.

160.064/2114/0 Type III Buoyant Vest, Child Medium (50-90 lb), Model VCM.

160.064/2116/0 Type III Buoyant Vest, Adult Medium, Model VAM.

160.064/2119/0 Type III Buoyant Vest, Adult Universal, Model VAU.

160.064/2237/0 Model A3, Adult Universal, "GENERAL PURPOSE VEST", Type III PFD.

LIFESAVING EQUIPMENT

- 160.064/2238/1 Model CM3, Child Medium, "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2239/0 Models CS3, Child Small, "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2343/0 Model GXS, Adult X-Small, "SKI VEST", Type III PFD.
 160.064/2344/0 Model GS, Adult Small, "SKI VEST", Type III PFD.
 160.064/2345/0 Type III Ski Vest, Adult Medium, Model GM.
 160.064/2346/0 Type III Ski Vest, Adult Large, Model GL.
 160.064/2347/0 Model GXL, Adult X-Large, "SKI VEST", Type III PFD.
 160.064/2443/0 Model 700L, Adult Large, "WATER SKI VEST", Type III PFD.
 160.064/2444/0 Model 700XL, Adult X-Large, "WATER SKI VEST", Type III PFD.
 160.064/2473/0 Model CVS, Adult Small, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2474/0 Model CVM, Adult Medium, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2475/0 Model CVL, Adult Large, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2476/0 Model CSM, Adult Small/Medium, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2477/0 Model CLXL, Adult Large/X-Large, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2668/0 Model CVLX, Adult Large/X-Large, "BOATING VEST", Type III PFD.
 160.064/2691/0 Model CVAU, Adult Universal, "GENERAL PURPOSE VEST" OR "SKI VEST", Type III PFD.
 160.064/2702/0 Model PVCS, Child Small, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2703/0 Model PVCN, Child Medium, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2741/0 Model CPE, 14 3/4" x 16" x 2 1/2", "BUOYANT CUSHION", Type IV PFD.
 160.064/2815/0 Model 351B, Infant, "BUOYANT VEST", Type II PFD.
 160.064/2823/0 Model 301W, Child Small (for persons weighing 30 - 50 lb), cloth-covered unicellular plastic foam "WATER SKI VEST", Type III PFD. Formerly approved under Navigear, Inc.
 160.064/2824/0 Model 301B, Child Small (for persons weighing 30 - 50 lb), cloth covered unicellular plastic foam "BASIC BOATING VEST", Type III PFD. Formerly approved under Navigear, Inc.
 160.064/2829/0 Model CPVC, 14-3/4" x 16" x 2-1/2", "BUOYANT CUSHION", Type IV PFD.
 160.064/2830/0 Model CCM, Child Medium, "GENERAL PURPOSE VEST" OR "SKI VEST", Type III PFD.
 160.064/2831/0 Model CXXS, Adult X-Small, "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2871/0 Model A, Adult Universal, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2872/0 Model SA, Adult Universal, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2873/0 Model CM, Child Medium, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2874/0 Model CS, Child Small, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/3062/0 Model DVSM, Small/Medium, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3063/0 Model DVLX, Large/X-Large, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3064/0 Model AUP, Adult Universal, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3072/0 Model AUV, Adult Universal, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3073/0 Model TVM, Adult Medium, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3074/0 Model TPM, Adult Medium, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3075/0 Model TVL, Adult Large, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3076/0 Model TPL, Adult Large, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3077/0 Model TVXL, Adult X-Large, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3078/0 Model TPXL, Adult X-Large, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3079/0 Model TV2L, Adult XX-Large, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.

EQUIPMENT LISTS

160.064/3080/0 Model TP2L, Adult XX-Large, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3081/0 Model TVSM, Adult Small/Medium, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3082/0 Model TPSM, Adult Small/Medium, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3083/0 Model TVLX, Adult Large/X-Large, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3084/0 Model TPLX, Adult Large/X-Large, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3086/0 Model TVM, Adult Medium, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3087/0 Model TPM, Adult Medium, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3091/0 Model AUV, Adult Universal, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3120/0 Model ICS-1, Infant/Child Small, "NEAR SHORE BUOYANT VEST", Type II PFD.
 160.064/3141/0 Model SA-1, Adult Universal, "GENERAL PURPOSE VEST" OR "WATERSKI VEST", Type III PFD.
 160.064/3142/0 Model SX-1, Adult XX-Large, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3143/0 Model CM-1, Child Medium, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.
 160.064/3144/0 Model CS-1, Child Small, "GENERAL PURPOSE VEST" OR "WATER SKI VEST", Type III PFD.

Ettinger Enterprises, Inc., 5310 Lance Drive, Knoxville, TN 37919

160.064/1347/0 Type III Canoe/Boat/Fish/& Ski Vest, Adult X-Small, Model 101.
 160.064/1348/0 Type III Canoe/Boat/Fish/& Ski Vest, Adult Small, Model 102.
 160.064/1349/0 Type III Canoe/Boat/Fish/& Ski Vest, Adult Medium, Model 103.
 160.064/1350/0 Type III Canoe/Boat/Fish/& Ski Vest, Adult Large, Model 104.
 160.064/1351/0 Type III Canoe/Boat/Fish/& Ski Vest, Adult X-Large, Model 105.
 160.064/1352/0 Type III Canoe/Boat/Fish/& Ski Vest, Adult XX-Large, Model 106.
 160.064/1566/0 Type III Water Ski Vest, Youth Large (50-90 lb), Model 115.

Extrasport, Inc., 5305 NW 35th Ct., Miami, FL 33142-3203

160.064/1256/0 Model GLX-3, Adult Large, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
 160.064/1257/0 Model GLX-2, Adult Medium, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
 160.064/1258/0 Model GLX-1, Adult Small, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
 160.064/1353/0 Model GLX-4, Adult X-Large, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
 160.064/1506/0 Model CHX-1, Adult Small, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
 160.064/1507/0 Model CHX-2, Adult Medium, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
 160.064/1508/0 Model CHX-3, Adult Large, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
 160.064/1509/0 Model CHX-4, Adult X-Large, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
 160.064/1949/0 Model APX-1, Adult Small, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
 160.064/1950/0 Model APX-2, Adult Medium, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
 160.064/1951/0 Model APX-3, Adult Large, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.

LIFESAVING EQUIPMENT

- 160.064/1967/0 Model CHX-0, Adult X-Small, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
- 160.064/1980/0 Model HFX-1, Adult Small, "KAYAKING", "CANOEING", and/or "SAILING", Type III PFD.
- 160.064/1981/0 Model HFX-2, Adult Medium, "KAYAKING", "CANOEING", and/or "SAILING", Type III PFD.
- 160.064/1982/0 Model HFX-3, Adult Large, "KAYAKING", "CANOEING", and/or "SAILING", Type III PFD.
- 160.064/2055/0 Model APX-0, Adult X-Small, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
- 160.064/2056/0 Model APX-4, Adult X-Large "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
- 160.064/2172/0 Model ROX-1, Adult Small, "KAYAKING", "CANOEING", and/or "SAILING VEST", Type III PFD.
- 160.064/2173/0 Model ROX-2, Adult Medium, "KAYAKING", "CANOEING", and/or "SAILING VEST", Type III PFD.
- 160.064/2174/0 Model ROX-3, Adult Large, "KAYAKING", "CANOEING", and/or "SAILING VEST", Type III PFD.
- 160.064/2283/0 Model RNX-1, Adult Small, "KAYAKING" and/or "CANOEING VEST", Type III PFD.
- 160.064/2284/0 Model RNX-2, Adult Medium, "KAYAKING" and/or "CANOEING VEST", Type III PFD.
- 160.064/2285/0 Model RNX-3, Adult Large, "KAYAKING" and/or "CANOEING VEST", Type III PFD.
- 160.064/2286/0 Model RNX-4, Adult X-Large, "KAYAKING" and/or "CANOEING VEST", Type III PFD.
- 160.064/2464/0 Model CCV-1, Child Small, "General Boating Vest", Type III PFD.
- 160.064/2465/0 Model CCV-2, Child Medium, "General Boating Vest", Type III PFD.
- 160.064/2466/0 Model CCV-3, Youth, "General Boating Vest", Type III PFD.
- 160.064/2682/0 Model Bud-1, Youth "FLOTATION AID", Type III PFD.
- 160.064/2683/0 Model Bud-2, Adult Small/Medium "FLOTATION AID", Type III PFD.
- 160.064/2684/0 Model Bud-3, Adult Large/X-Large "FLOTATION AID", Type III PFD.
- 160.064/2704/0 Model ROX-0, Adult X-Small, "KAYAKING", "CANOEING", and/or "SAILING VEST", Type III PFD.
- 160.064/2705/0 Model GLX-0, Adult X-Small, "SAILING", "KAYAKING", and/or "CANOEING", Type III PFD.
- 160.064/2720/0 Model HFX-4, Adult X-Large, "KAYAKING", "CANOEING", and/or "SAILING", Type III PFD.
- 160.064/2818/0 Model SQX-1, Adult Small, "SAILING" and/or "KAYAKING" (pull over vest) Type V PFD (approved only when worn).
- 160.064/2819/0 Model SQX-2, Adult Medium, "SAILING" and/or "KAYAKING" (pull over vest) Type V PFD (approved only when worn).
- 160.064/2820/0 Model SQX-3, Adult Large, "SAILING" and/or "KAYAKING" (pull over vest) Type V PFD (approved only when worn).
- 160.064/2938/0 Model SQX-4, Adult X-Large, "SAILING" and/or "KAYAKING" (pull over vest) Type V PFD (approved only when worn).
- 160.064/2939/0 Model ROX-4, Adult X-Large, "KAYAKING", "CANOEING", and/or "SAILING VEST", Type III PFD.
- Fabrionics, Inc., Route 130 South, Camargo, IL 61919
- 160.064/636/0 Model 400, Child Medium, "SAILING & WATER SKI VEST" OR "WATER SKI VEST", Type III PFD.
- 160.064/893/0 Type III Sailing/Water Ski Vest, Adult Universal, Model 900.
- 160.064/1016/0 Model 601, Adult, "SAILING & WATER SKI VEST" OR "WATER SKI VEST", Type III PFD.
- 160.064/1017/0 Model 801, Adult, "SAILING & WATER SKI VEST" OR "WATER SKI VEST", Type III PFD.
- 160.064/1018/0 Model 801, Adult, "SAILING & WATER SKI VEST" OR "WATER SKI VEST", Type III PFD.
- 160.064/1096/1 Model LSV-U, Ladies Adult Universal, "WATER SKI VEST", Type III PFD.
- 160.064/1547/0 Model 803, Adult, "SAILING & WATER SKI VEST" OR "WATER SKI VEST", Type III PFD.
- 160.064/1548/0 Model 1001, Adult, "SAILING & WATER SKI VEST" OR "WATER SKI VEST", Type III PFD.

EQUIPMENT LISTS

160.064/1741/0 Model U-1, Adult Universal, "GENERAL PURPOSE VEST", OR "WATER SKI VEST", OR "SAILING AND WATER SKI VEST", Type III PFD.
 160.064/1791/0 Model BC-1, 16" x 16" x 3 1/2", "BUOYANT CUSHION", Type IV PFD.
 160.064/1959/0 Model SVG-0, Child Small, "GENERAL BOATING VEST", Type III PFD.
 160.064/2706/0 Model SGN-4S, Adult Small, "WATER SKI VEST", Type III PFD.
 160.064/2707/0 Type III Water Ski Vest, Adult 36"-40", Model SGN-4M.
 160.064/2708/0 Model SGN-4L, Adult Large, "WATER SKI VEST", Type III PFD.
 160.064/2709/0 Model SGN-4XL, Adult X-Large, "WATER SKI VEST", Type III PFD.
 160.064/2710/0 Model SGN-CS, Child Small, "GENERAL BOATING VEST", Type III PFD.
 160.064/2711/0 Model SGN-CM, Child Medium, "GENERAL BOATING VEST", Type III PFD.
 160.064/2712/0 Model SGN-1U, Adult Universal, "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2713/0 Type III General Boating Vest, Adult 30"-52", Model SGN-3U.
 160.064/2714/0 Model SGN-3 S/M, Adult Small/Medium, "WATER SKI VEST", Type PFD.
 160.064/2715/0 Model SGN-3L/XL, Adult Large/X-Large, "WATER SKI VEST", Type III PFD.
 160.064/3112/0 Model SGN-3P, Adult Petite, "WATER SKI VEST", Type III PFD.
 160.064/3113/0 Model SGN-4P, Adult Petite, "WATER SKI VEST", Type III PFD.

Fitz-Wright Company Ltd., 5760 Production Way, Langley, British Columbia, Canada V3A 4N4

160.064/2227/0 Type V Boardsailing Vest, Adult X-Small, Model 4002.
 160.064/2228/0 Type V Boardsailing Vest, Adult Small, Model 4002.
 160.064/2229/0 Type V Boardsailing Vest, Adult Medium, Model 4002.
 160.064/2230/0 Type V Boardsailing Vest, Adult Large, Model 4002.
 160.064/2515/0 Type V Sailboard Vest, Adult 31"-34", Model 5066.
 160.064/2516/0 Type V Sailboard Vest, Adult 34"-37", Model 5066.
 160.064/2517/0 Type V Sailboard Vest, Adult 37"-40", Model 5066.
 160.064/2518/0 Type V Sailboard Vest, Adult 40"-43", Model 5066.

Foam Design Inc., 444 Transport Court, PO Box 12178, Lexington, KY 40581

160.064/B1438/1 Type IV Buoyant Cushion 15"x15", Model PF 101.
 160.064/B2106/0 Type IV Buoyant Cushion 15"x15", Model PF 101.

Flotation Products Div. of Ocean Dynamics, 367 W. Victoria St., Gardena, CA 90248

160.064/2595/0 Type IV Buoyant cushion 15"x15", Model 900.

Forespar Products Corp., 22322 Gilberto, Rancho Santa Margarita, CA 92688

160.064/2350/0 Type IV Horseshoe Buoy, 23" x 23", Model H-1.
 160.064/2750/1 Model C-Buoy, 23-1/2" x 22" x 3", vinyl covered unicellular plastic foam "HORSESHOE BUOY", Type IV PFD.

Full Throttle Flotation Inc., 7413 Slater Avenue, Huntington Beach, CA 92647

160.064/3033/0 Model 47X, 48X, Small/Medium, "SKI VEST", Type III PFD.
 160.064/3034/0 Model 47X, 48X, Large/ X-Large, "SKI VEST", Type III PFD.
 160.064/3035/0 Model 80X, X-Small, "SKI VEST", Type III PFD.
 160.064/3036/0 Model 80X, Small, "SKI VEST", Type III PFD.
 160.064/3037/0 Model 80X, Medium, "SKI VEST", Type III PFD.
 160.064/3038/0 Model 80X, Large, "SKI VEST", Type III PFD.
 160.064/3039/0 Model 80X, X-Large, "SKI VEST", Type III PFD.
 160.064/3040/0 Model 90X, 91X, X-Small, "SKI VEST", Type III PFD.
 160.064/3041/0 Model 90X, 91X, Small, "SKI VEST", Type III PFD.
 160.064/3042/0 Model 90X, 91X, Medium, "SKI VEST", Type III PFD.
 160.064/3043/0 Model 90X, 91X, Large, "SKI VEST", Type III PFD.
 160.064/3044/0 Model 90X, 91X, X-Large, "SKI VEST", Type III PFD.
 160.064/3045/0 Model 90X, 91X, XX-Large, "SKI VEST", Type III PFD.

LIFESAVING EQUIPMENT

- 160.064/3046/0 Model 92X, Petite, "SKI VEST", Type III PFD.
 160.064/3047/0 Model 92X, Small, "SKI VEST", Type III PFD.
 160.064/3048/0 Model 92X, Medium, "SKI VEST", Type III PFD.
 160.064/3050/0 Model 212, Infant, "BUOYANT VEST", Type II PFD.
 160.064/3124/0 Models 302, 312, 322, 332, 342, PVC, Youth, "BOATING VEST", OR "SKI VEST", Type III PFD.
 160.064/3125/0 Models 304, 314, 324, 334, 344, PVC/PE, Youth, "BOATING VEST", OR "SKI VEST", Type III PFD.
 160.064/3126/0 Models 305, 315, 325, 335, 345, PE, Youth, "BOATING VEST", OR "SKI VEST", Type III PFD.
 160.064/3127/0 Models 302, 312, 322, 342, PVC, Child Small, "BOATING VEST", OR "SKI VEST", Type III PFD.
 160.064/3128/0 Models 304, 314, 324, 344, PVC/PE, Child Small, "BOATING VEST", OR "SKI VEST", Type III PFD.
 160.064/3129/0 Models 305, 315, 325, 345, PE, Child Small, "BOATING VEST", OR "SKI VEST", Type III PFD.
 160.064/3145/0 Model 6220, Small, "GENERAL RECREATION VEST", Type III PFD.
 160.064/3146/0 Model 6220, Medium, "GENERAL RECREATION VEST", Type III PFD.
 160.064/3147/0 Model 6220, Large, "GENERAL RECREATION VEST", Type III PFD.
 160.064/3148/0 Model 6220, X-Large, "GENERAL RECREATION VEST", Type III PFD.
 160.064/3166/0 Model 6240, Small, "GENERAL RECREATION VEST", Type III PFD.
 160.064/3167/0 Model 6240, Medium, "GENERAL RECREATION VEST", Type III PFD.
 160.064/3168/0 Model 6240, Large, "GENERAL RECREATION VEST", Type III PFD.
 160.064/3169/0 Model 6240, X-Large, "GENERAL RECREATION VEST", Type III PFD.
 160.064/3184/0 Model 922, Large, "SKI VEST", Type III PFD.
 160.064/3185/0 Model 924, Large, "SKI VEST", Type III PFD.
- Harishok Co. Inc., RD 2 Box 922, Old Grafton Turnpike, Canaan, NH 03741
 160.064/2414/0 Model Harishok, Adult Small, "CANOEING", "KAYAKING", "SAILING", Type III PFD.
 160.064/2415/0 Model Harishok, Adult Medium, "CANOEING", "KAYAKING", "SAILING", Type III PFD.
 160.064/2416/0 Model Harishok, Adult Large, "CANOEING", "KAYAKING", "SAILING", Type III PFD.
 160.064/2417/0 Model Harishok, Adult X-Large, "CANOEING", "KAYAKING", "SAILING", Type III PFD.
 160.064/2418/0 Model Racer, Adult Small, "CANOEING", "KAYAKING", "SAILING", Type III PFD.
 160.064/2419/0 Model Racer, Adult Medium, "CANOEING", "KAYAKING", "SAILING", Type III PFD.
 160.064/2420/0 Model Racer, Adult Large, "CANOEING", "KAYAKING", "SAILING", Type III PFD.
 160.064/2421/0 Model Racer, Adult X-Large, "CANOEING", "KAYAKING", "SAILING", Type III PFD.
- Kawasaki Motors Corp USA, 2009 East Edinger Ave., PO Box 25252, Santa Ana, CA 92799-5252
 160.064/D1461/0 Model ANSS, 803, or SKY, Youth Medium (50 to 90 lb), cloth-covered unicellular plastic foam "SKI 'N SPORTS VEST", Type III PFD.
 160.064/D1462/0 Type III Ski & Sports Vest, Adult X-Small, Model ANMS/SKXS.
 160.064/D1463/0 Type III Ski & Sports Vest, Adult Small, Model ANS/SKS.
 160.064/D1464/0 Type III Ski & Sports Vest, Adult Medium, Model ANM/SKM.
 160.064/D1465/0 Type III Ski & Sports Vest, Adult Large, Model ANL/SXL.
 160.064/D1466/0 Type III Ski & Sports Vest, Adult X-Large, Model ANXL/SKXL.
 160.064/D2087/0 Type III Competition Ski Vest, Adult X-Small, Model CJMS.
 160.064/D2088/0 Type III Competition Ski Vest, Adult Small, Model CJS.
 160.064/D2089/0 Type III Competition Ski Vest, Adult Medium, Model CJM.
 160.064/D2090/0 Type III Competition Ski Vest, Adult Large, Model CJL.
 160.064/D2185/0 Type III Competition Ski Vest, Adult X-Large, Model CJXL.
 160.064/D2195/0 Model ANXXL or 809, Adult XX-Large (48" - 52" chest), cloth-covered unicellular plastic foam "SKI 'N SPORTS VEST", Type III PFD.

EQUIPMENT LISTS

Kent Sporting Goods Co., 433 Park Avenue South, State Route 60, New London, OH 44851

- 160.064/40/0 Model CMF-1, Child Medium, "BUOYANT VEST", Type II PFD.
 160.064/1837/0 Type IV Buoyant Cushion, 15"x16", Model F.
 160.064/1960/0 Model 701, Child Small, "SKI AND BOATING VEST", Type III PFD.
 160.064/1961/0 Model 702, Youth, "SKI AND BOATING VEST", Type III PFD.
 160.064/1962/0 Model 703, Adult X-Small, "SKI AND BOATING VEST", Type III PFD.
 160.064/1963/0 Model 704, Adult Small, "SKI AND BOATING VEST", Type III PFD.
 160.064/1964/0 Model 705, Adult Medium, "SKI AND BOATING VEST", Type III PFD.
 160.064/1965/0 Model 706, Adult Large, "SKI AND BOATING VEST", Type III PFD.
 160.064/1966/0 Model 707, Adult X-Large, "SKI AND BOATING VEST", Type III PFD.
 160.064/2072/0 Model 751, Adult X-Small, "SKI AND BOATING VEST", Type III PFD.
 160.064/2073/0 Model 752, Adult Small, "SKI AND BOATING VEST", Type III PFD.
 160.064/2074/0 Model 753, Adult Medium, "SKI AND BOATING VEST", Type III PFD.
 160.064/2075/0 Model 754, Adult Large, "SKI AND BOATING VEST", Type III PFD.
 160.064/2076/0 Model 755, Adult X-Large, "SKI AND BOATING VEST", Type III PFD.
 160.064/2265/0 Model 756, Adult Super Large, "SKI AND BOATING VEST", Type III PFD.
 160.064/2273/0 Type IV Buoyant Cushion, 15" x 15.5" x 2", Model 8100.
 160.064/2281/1 Model SMPV, Adult Small/Medium, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2282/1 Model LXPV, ADULT Large/X-Large, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2521/0 Model 701A, Child Small, "SKI AND BOATING VEST", TYPE III PFD.
 160.064/2579/0 Model 472, Adult Large/X-Large, "GENERAL PURPOSE", Type III PFD.
 160.064/2680/1 Model SMPE, Adult Small/Medium, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2681/1 Model LXPE, Adult Large/X-Large, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/2687/0 Models 713, and 741, Adult Small, "SKI AND BOATING VEST", Type III PFD.
 160.064/2688/0 Models 714, and 742, Adult Small, "SKI AND BOATING VEST", Type III PFD.
 160.064/2689/0 Models 715, and 743, Adult Medium, "SKI AND BOATING VEST", Type III PFD.
 160.064/2694/0 Model AA, Adult Universal, "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2695/0 Model AA1, Adult Universal, "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2696/0 Model AA2A, Adult Universal, "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2697/0 Model AA1A, Adult Universal, "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2698/0 Model AA2, Adult Universal, "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2699/0 Model AA3A, Adult Universal, "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2700/0 Model AA3, Adult Universal, cloth-covered micellular plastic foam "GENERAL PURPOSE", Type III PFD.
 160.064/2719/0 Model 8200, 15" x 15" x 2-1/2", cloth-covered "BUOYANT CUSHION", Type IV Cushion.
 160.064/2728/0 Model 8100(PE) 38 x 39 x 7 cm (15 x 15-1/2 x 2-3/4), "BUOYANT CUSHION", Type IV Cushion.
 160.064/2916/0 Model 742A, Adult Small, cloth covered unicellular plastic foam "SKI AND BOATING VEST", Type III PFD.
 160.064/2946/0 Model BV-4, Child Small, "BUOYANT VEST", Type III PFD.
 160.064/2947/1 Model BV-4C, Child Small, "BUOYANT VEST", Type III PFD.
 160.064/2949/0 Model BV-4, -5, Adult S/M, "BUOYANT VEST", Type III PFD.
 160.064/2950/0 Model BV-4, -5, Adult L/XL, "BUOYANT VEST", Type III PFD.
 160.064/2951/0 Model BV-4, -5 Adult, XXL, "BUOYANT VEST", Type III PFD.
 160.064/2953/0 Model BV-6, Adult X-Small, "BUOYANT VEST", Type III PFD.
 160.064/2954/0 Model BV-6, Adult Small, "BUOYANT VEST", Type III PFD.
 160.064/2955/0 Model BV-6, Adult Medium, "BUOYANT VEST", Type III PFD.
 160.064/2956/0 Model BV-6, Adult Large, "BUOYANT VEST", Type III PFD.
 160.064/2957/0 Model BV-6, Adult X-Large, "BUOYANT VEST", Type III PFD.
 160.064/2958/0 Model BV-6, Adult XX-Large, "BUOYANT VEST", Type III PFD.
 160.064/3003/0 Model 3A, Adult Universal, "GENERAL PURPOSE", Type III PFD.

LIFESAVING EQUIPMENT

- 160.064/3004/0 Model 3Y, Youth, "GENERAL PURPOSE", Type III PFD.
 160.064/3005/0 Model 3C, Child, "GENERAL PURPOSE", Type III PFD.
 160.064/3011/0 Model SS, 15 by 16 by 2-1/2 inches, "BUOYANT CUSHION", Type IV PFD.
 160.064/3012/0 Model C, 15 by 16 by 2-1/2 inches, "BUOYANT CUSHION", Type IV PFD.
 160.064/3070/0 Model 3ASL, Adult Superlarge, "GENERAL PURPOSE" Type III PFD.
 160.064/3092/0 Model UPE, Adult Universal, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/3093/0 Model UPV, Adult Universal, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/3094/0 Model UC, Adult Universal "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/3095/0 Model SMC, Adult Small/Medium, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/3096/0 Model LXC, Adult Large/X-Large "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/3097/0 Model SLPE Adult Superlarge, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/3098/0 Model SLPV Adult Superlarge, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/3099/0 Model SLC Adult Superlarge, "GENERAL PURPOSE" OR "SKI VEST", Type III PFD.
 160.064/3267/R Model PXS, Adult X-Small, "SKI VEST", Type III PFD.
 160.064/3268/0 Model PS, Adult Small, "SKI VEST", Type III PFD.
 160.064/3269/0 Model PM, Adult Medium, "SKI VEST", Type III PFD.
 160.064/3270/0 Model PL, Adult Large, "SKI VEST", Type III PFD.
- Mustang Engineered Technical Apparel, Inc., 3810 Jacombs Road, Richmond, British Columbia, Canada V6V 1Y6
 160.064/1308/2 Models MC1100, or MC1400, Adult Small, "MEN'S FLOATER COAT", "U-VIC THERMOFLOAT" or others as shown in UL Procedure, Type III PFD.
 160.064/1309/2 Models MC1100, or MC1400, Adult Medium, "MEN'S FLOATER COAT", "U-VIC THERMOFLOAT" or others as shown in UL Procedure, Type III PFD.
 160.064/1310/2 Models MC1100, MC1400, Adult Large, "MEN'S FLOATER COAT", "U-VIC THERMOFLOAT" or others as shown in UL Procedure, Type III PFD.
 160.064/1311/2 Models MC1100, or MC1400, Adult X-Large, "MEN'S FLOATER COAT", "U-VIC THERMOFLOAT" or others as shown in UL Procedure, Type III PFD.
 160.064/1312/2 Models MC1102, or MC1402, Adult Medium, "WOMEN'S FLOATER COAT", "U-VIC THERMOFLOAT" or others as shown in UL Procedure, Type III PFD.
 160.064/1313/2 Models MC1102, or MC1402, Adult Large, "WOMEN'S FLOATER COAT", "U-VIC THERMOFLOAT" or others as shown in UL Procedure, Type III PFD.
 160.064/1815/3 Model MS2175, Adult Small, "ANTI-EXPOSURE COVERALL", Type V PFD.
 160.064/1816/2 Model MS2175, Adult Medium, "ANTI-EXPOSURE COVERALL", Type V PFD.
 160.064/1817/2 Model MS2175, Adult Large, "ANTI-EXPOSURE COVERALL", Type V PFD.
 160.064/1818/2 Model MS2175, Adult X-Large, "ANTI-EXPOSURE COVERALL", Type V PFD.
 160.064/1819/2 Model MS2175, Adult XX-Large, "ANTI-EXPOSURE COVERALL", Type V PFD.
 160.064/2062/1 Model MV-3150, Infant, "INFANT'S FLOATER VEST", Type II PFD.
 160.064/2063/0 Type III All Purpose Vest, Child Small (30-50 lb), Model MV3155.
 160.064/2064/0 Model M3160, Youth, "YOUTH FLOATER VEST", Type III PFD.
 160.064/2192/0 Model No. MV3166 or SH450, Adult Small, "BOARDSAIL VEST", Type V PFD. (Approved for use on Sailboards only.)
 160.064/2193/0 Model No. MV3166 or SH450, Adult Medium, "BOARDSAIL VEST", Type V PFD. (Approved for use on Sailboards only.)
 160.064/2194/0 Model No. MV3166 or SH450, Adult Large, "BOARDSAIL VEST", Type V PFD. (Approved for use on Sailboards only.)
 160.064/2363/0 Model MV-3100, MV-3110, or MV-3120, Youth, "FLOATER VEST", "DELUXE FLOATER VEST", or "SPORT FLOATER VEST", respectively, Type III PFD.
 160.064/2364/0 Model MV-3100, MV-3110, or MV-3120, Adult Small, "FLOATER VEST", "DELUXE FLOATER VEST", or "SPORT FLOATER VEST", respectively, Type III PFD.
 160.064/2365/0 Model MV-3100, MV-3110, or MV-3120, Adult Medium, "FLOATER VEST", "DELUXE FLOATER VEST", or "SPORT FLOATER VEST", respectively, Type III PFD.
 160.064/2366/0 Model MV-3100, MV-3110, or MV-3120, Adult Large, "FLOATER VEST", "DELUXE FLOATER VEST", or "SPORT FLOATER VEST", respectively, Type III PFD.

EQUIPMENT LISTS

- 160.064/2367/0 Model MV-3100, MV-3110, or MV-3120, Adult X-Large, "FLOATER VEST", "DELUXE FLOATER VEST", or "SPORT FLOATER VEST", respectively, Type III PFD.
- 160.064/2523/0 Model MV3180, Adult X-Small, "ADULT FLOATER VEST", Type III PFD.
- 160.064/2524/0 Model MV3180, Adult Small, "ADULT FLOATER VEST", Type III PFD.
- 160.064/2525/0 Model MV3180, Adult Medium, "ADULT FLOATER VEST", Type III PFD.
- 160.064/2526/0 Model MV3180, Adult Large, "ADULT FLOATER VEST", Type III PFD.
- 160.064/2527/0 Model MV3180, Adult X-Large, "ADULT FLOATER VEST", Type III PFD.
- 160.064/2528/0 Model MV3180, Adult XX-Large, "ADULT FLOATER VEST", Type III PFD.
- 160.064/2529/0 Model MV3112, Adult X-Small, "ADULT FLOATER VEST", Type III PFD.
- 160.064/2530/0 Model MV3112, Adult Small, "ADULT FLOATER VEST", Type III PFD.
- 160.064/2531/0 Model MV3112, Adult Medium, "ADULT FLOATER VEST", Type III PFD.
- 160.064/2532/0 Model MV3112, Adult Large, "ADULT FLOATER VEST", Type III PFD.
- 160.064/2533/0 Model MV3112, Adult X-Large, "ADULT FLOATER VEST", Type III PFD.
- 160.064/2596/0 Model MC1500, Adult Small, "FLOATER COAT" or "SPORTSMAN'S", or "PEA-F-D COAT", or "THERMOFLOAT PLUS", or others per UL Procedure, Type III PFD.
- 160.064/2597/0 Model MC1500, Adult Medium, "FLOATER COAT" or "SPORTSMAN'S", or "PEA-F-D COAT", or "THERMOFLOAT PLUS", or others per UL Procedure, Type III PFD.
- 160.064/2598/0 Model MC1500, Adult Large, "FLOATER COAT" or "SPORTSMAN'S", or "PEA-F-D COAT", or "THERMOFLOAT PLUS", or others per UL Procedure, Type III PFD.
- 160.064/2599/0 Model MC1500, Adult X-Large, "FLOATER COAT" or "SPORTSMAN'S", or "PEA-F-D COAT", or "THERMOFLOAT PLUS", or others per UL Procedure, Type III PFD.
- 160.064/2600/0 Model MC1500, Adult XX-Large, "FLOATER COAT" or "SPORTSMAN'S", or "PEA-F-D COAT", or "THERMOFLOAT PLUS", or others per UL Procedure, Type III PFD.
- 160.064/2917/0 Model MC1600, Adult Small (for persons with 30 - 34 inch chest), cloth-covered unicellular plastic foam "FLOATER COAT", Type III PFD.
- 160.064/2918/0 Model MC1600, Adult Medium (34" - 38" chest), cloth-covered unicellular plastic foam "FLOATER COAT", Type III PFD.
- 160.064/2919/0 Model MC1600, Adult Large (38" - 42" chest), cloth-covered unicellular plastic foam "FLOATER COAT", Type III PFD.
- 160.064/2920/0 Model MV3130, Adult Small (32" - 36" chest), cloth-covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
- 160.064/2921/0 Model MV3130, Adult Medium (36" - 40" chest), cloth-covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
- 160.064/2922/0 Model MV3130, Adult Large (40" - 44" chest), cloth-covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
- 160.064/2923/0 Model MV3130, Adult X-Large (44" - 48" chest), cloth-covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
- 160.064/2924/0 Model MV3130, Adult XX-Large (48" - 52" chest), cloth-covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
- 160.064/2959/0 Model MV3132, Youth (for persons 50 to 90 lb), fabric covered "SKI VEST" Type III PFD.
- 160.064/2960/0 Model MV3132, Adult Small (for person more than 90 lb), fabric covered "SKI VEST", Type III PFD.
- 160.064/2961/0 Model MV3132, Adult Medium (for person more than 90 lb), covered "SKI VEST" TYPE III PFD.
- 160.064/2962/0 Model MV3132, Adult Large (for person more than 90 lb), fabric covered "SKI VEST", TYPE III PFD.
- 160.064/2963/0 Model MV3132, Adult X-LARGE (for person more than 90 lb), fabric covered "SKI VEST" Type III PFD.
- 160.064/2964/0 Model MV 3132, Adult XX-LARGE (for more than 90 lb), fabric covered "SKI VEST", Type PFD.
- 160.064/2965/0 Model MS2175, Adult X-Small, "ANTI-EXPOSURE COVERALL", Type IV PFD.

LIFESAVING EQUIPMENT

Mustang Engineered Technical Apparel (USA) Corp, 3870 Mustang Way, Bellingham, WA 98226

160.064/A1308/2 Models MC1100, or MC1400, Adult Small, "MEN'S FLOATER COAT", "U-VIC THERMOFLOAT" or others as shown in UL Procedure, Type III PFD.

160.064/A1309/2 Models MC1100, MC1400, Adult Medium, "MEN'S FLOATER COAT", "U-VIC THERMOFLOAT" or others as shown in UL Procedure, Type III PFD.

160.064/A1310/2 Models MC1100, or MC1400, Adult Large, "MEN'S FLOATER COAT", "U-VIC THERMOFLOAT" or others as shown in UL Procedure, Type III PFD.

160.064/A1311/2 Models MC1100, or MC1400, Adult X-Large, "MEN'S FLOATER COAT", "U-VIC THERMOFLOAT" or others as shown in UL Procedure, Type III PFD.

160.064/A1312/2 Models MC1102, MC1402, Adult Medium, "WOMEN'S FLOATER COAT", "U-VIC THERMOFLOAT" or others as shown in UL Procedure, Type III PFD.

160.064/A1313/2 Models MC1102, or MC1402, Adult Large, "WOMEN'S FLOATER COAT", "U-VIC THERMOFLOAT" or others as shown in UL Procedure, Type III PFD.

160.064/A1815/3 Model MS2175, Adult Small, "ANTI-EXPOSURE COVERALL", Type V PFD.

160.064/A1816/2 Model MS2175, Adult Medium, "ANTI-EXPOSURE COVERALL", Type V PFD.

160.064/A1817/2 Model MS2175, Adult Large, "ANTI-EXPOSURE COVERALL", Type V PFD.

160.064/A1818/2 Model MS2175, Adult X-Large, "ANTI-EXPOSURE COVERALL", Type V PFD.

160.064/A1819/2 Model MS2175, Adult XX-Large, "ANTI-EXPOSURE COVERALL", Type V PFD.

160.064/A2062/0 Type II Infant's Floater Vest, 18"-20" (under 50 lb.), Model MV3150.

160.064/A2063/0 Type III Floater Vest, Child Small 21"-24" (30-50 lb.), Model MV3155.

160.064/A2064/0 Type III Floater Vest, Youth 24"-29" (50-90 lb.), Model MV 316.

160.064/A2192/0 Type V Boardsail Vest, Adult 34"-38", Model MV3166.

160.064/A2193/0 Type V Boardsail Vest, Adult 38"-42", Model MV3166.

160.064/A2194/0 Type V Boardsail Vest, Adult 42"-46", Model MV3166.

160.064/A2363/0 Model MV-3100, MV-3110, or MV-3120, Youth, "FLOATER VEST", "DELUXE FLOATER VEST", or "SPORT FLOATER VEST", respectively Type III PFD.

160.064/A2364/0 Model MV-3100, MV-3110, or MV-3120, Adult Small, "FLOATER VEST", "DELUXE FLOATER VEST", or "SPORT FLOATER VEST", respectively Type III PFD.

160.064/A2365/0 Model MV3100, MV-3110, or MV-3120, Adult Medium, "FLOATER VEST", "DELUXE FLOATER VEST", or "SPORT FLOATER VEST", respectively Type III PFD.

160.064/A2366/0 Model MV-3100, MV-3110, or MV-3120, Adult Large, "FLOATER VEST", "DELUXE FLOATER VEST", or "SPORT FLOATER VEST", respectively Type III PFD.

160.064/A2367/0 Model MV-3100, MV-3110, or MV-3120, Adult X-Large, "FLOATER VEST", "DELUXE FLOATER VEST", or "SPORT FLOATER VEST", respectively Type III PFD.

160.064/3051/0 Model MJ6210, Adult Small, "BOMBER JACKET", Type III PFD.

160.064/3052/0 Model MJ6210, Adult Medium, "BOMBER JACKET", Type III PFD.

160.064/3053/0 Model MJ6210, Adult Large, "BOMBER JACKET", Type III PFD.

160.064/3054/0 Model MJ6210, Adult X-Large, "BOMBER JACKET", Type III PFD.

160.064/3055/0 Model MJ6210, Adult XX-Large, "BOMBER JACKET", Type III PFD.

160.064/3056/0 Model MV3140, Adult X-Small, "SPORTS VEST", Type III PFD.

160.064/3057/0 Model MV3140, Adult Small, "SPORTS VEST", Type III PFD.

160.064/3058/0 Model MV3140, Adult Medium, "SPORTS VEST", Type III PFD.

160.064/3059/0 Model MV3140, Adult Large, "SPORTS VEST", Type III PFD.

160.064/3060/0 Model MV3140, Adult X-Large, "SPORTS VEST", Type III PFD.

160.064/3100/0 Model MC1150, Youth Small, "YOUTH FLOATER COAT", Type III PFD.

160.064/3101/0 Model MC1150, Youth Medium, "YOUTH FLOATER COAT", Type III PFD.

160.064/3102/0 Model MC1150, Youth Large, "YOUTH FLOATER COAT", Type III PFD.

North Sports Div. Of North Sails, Suite 37, 8535 Baymeadows Rd., Jacksonville, FL 32216

160.064/A1759/0 Type III General Boating Vest, Child X-Small (30-50 lb.), Model NSY-1.

160.064/A1787/0 Model GP-80, Adult XX-large, "BUOYANT SPORTS VEST" or "GENERAL BOATING VEST", Type III PFD.

EQUIPMENT LISTS

O'Brien International, Inc., Div. of the Coleman Co., 14615 NE 91st Street, Redmond, WA 98052

- 160.064/1354/0 Type III Sail N Ski Vest, Child Medium (50-90 lb), Model 200CM.
- 160.064/1355/1 Model 200AKS, Adult X-small, "Sail 'N' Ski Vest", III PFD.
- 160.064/1356/1 Model NO. 200S, Adult Small, "SAIL 'N' SKI VEST", Type III PFD.
- 160.064/1357/1 Model NO. 200M, Adult Medium, "SAIL 'N' SKI VEST", Type III PFD.
- 160.064/1358/1 Model NO. 200L, Adult Large, "SAIL 'N' SKI VEST", Type III PFD.
- 160.064/1359/0 Model NO. 200XL, Adult X-Large, "SAIL 'N' SKI VEST", Type III PFD.
- 160.064/C1462/0 Model 5-5872, Adult X-Small, "SKI 'N' SPORTS VEST", Type III PFD.
- 160.064/C1463/0 Model 5-5873, Adult Small, "SKI 'N' SPORTS VEST", Type III PFD.
- 160.064/C1464/0 Model 5-5874, Adult Medium, "SKI 'N' SPORTS VEST", Type III PFD.
- 160.064/C1465/0 Model 5-5875, Adult Large, "SKI 'N' SPORTS VEST", Type III PFD.
- 160.064/C1466/0 Model 5-5876, Adult X-Large, "SKI 'N' SPORTS VEST", Type III PFD.
- 160.064/1604/0 Type III Sail N Ski Vest, Child Small (30-50 lb), Model 200 CS.
- 160.064/1605/0 Model NO. 200 CXS, Child X-Small, "SWIM VEST", Type III PFD.
- 160.064/C2185/0 Model 5-5872, Adult X-Large, "COMPETITION SKI VEST", Type III PFD.
- 160.064/C2195/0 Type III Ski and Sports Vest, Adult XX-Large, Model 5-584.
- 160.064/C2774/0 Model 900, Adult Petite, "SKI VEST", Type III PFD.
- 160.064/C2775/0 Model 900, Adult Small, "SKI VEST", Type III PFD.
- 160.064/C2776/0 Model 900, Adult Medium, "SKI VEST", Type III PFD.

OMC Parts And Accessories Div., 3225 Prairie Avenue, Beloit, WI 53511

- 160.064/A1405/0 Type III Recreation Buoyancy Vest, Adult Universal, Model 1022/1024.
- 160.064/A1753/0 Type III Water Ski Vest, Adult Small, Model 1043.
- 160.064/A1754/0 Type III Water Ski Vest, Adult Medium, Model 1043.
- 160.064/A1755/0 Type III Water Ski Vest, Adult Large, Model 1043.
- 160.064/A1756/0 Type III Water Ski Vest, Adult X-Large, Model 1043.
- 160.064/A1994/0 Type III Boating Buoyant Vest, Adult Small/Medium, Model 1007/1008.
- 160.064/A1995/0 Type III Boating Buoyant Vest, Adult Large/X-Large, Model 1007/1008.
- 160.064/A2071/0 Type III Boating Buoyant Vest, Adult Large/X-Large, Model 1008.
- 160.064/A2249/0 Type III Fishing Vest, Adult 36"-38", Model BTM-100.
- 160.064/A2250/0 Type III Fishing Vest, Adult 40"-42", Model BTM-100.
- 160.064/A2251/0 Type III Fishing Vest, Adult 44"-46", Model BTM-100.
- 160.064/A2252/0 Type III Fishing Vest, Adult 48"-52", Model BTM-100.
- 160.064/A2253/0 Type III Fishing Vest, Adult 52"-56", Model BTM-100.
- 160.064/A2254/0 Type III Fishing Vest, Adult 30"-52", Model BTM-100.
- 160.064/A2889/0 Models 507781 through 507794, Adult Small/Medium (32" - 40" chest), cloth-covered unicellular plastic foam "GENERAL BOATING VEST", Type III PFD.
- 160.064/A2890/0 Models 507781 through 507794, Adult Large/X-Large, cloth-covered unicellular plastic foam "GENERAL BOATING VEST", Type III PFD.
- 160.064/A2891/0 Models 507785, 507786, and 508058 Adult Universal, "GENERAL BOATING VEST", Type III PFD.
- 160.064/A3049/0 Model 508067, Adult Universal, "GENERAL BOATING VEST", Type III PFD.

Omega Corporation, 130 Condor Street, East Boston, MA 02128

- 160.064/1567/0 Model GLX-0, Adult X-Small, "SAILING", "KAYAKING" and/or "CANOEING", Type III PFD.
- 160.064/1759/0 Type III General Boating Vest/Mate, Child X-Small (30-50 lb), Model M-10.
- 160.064/1760/0 Type III General Boating Vest/Mate, Child Small (30-50 lb), Model M-20/D201.
- 160.064/1761/0 Type III General Boating Vest/Mate, Child Medium (50-90 lb), Model M-20/D201.
- 160.064/1762/0 Type III Ski, General Boating Vest, Adult Slim, Model SV-30.
- 160.064/1763/0 Type III Ski, General Boating Vest, Adult Small, Model SV-40.
- 160.064/1764/0 Type III Ski, General Boating Vest, Adult Medium, Model SV-50.
- 160.064/1765/0 Type III Ski, General Boating Vest, Adult Large, Model SV-60.

LIFESAVING EQUIPMENT

- 160.064/1766/0 Type III Ski, General Boating Vest, Adult X-Large, Model SV-70.
- 160.064/1781/0 Type III Buoyant Sport/General Boating Vest, Tyke (30-50 lb), Model 304A/CV-20/PS-20/GP-20.
- 160.064/1782/0 Model GP-30, Youth, "BUOYANT SPORTS VEST" or "GENERAL BOATING VEST", Type III PFD.
- 160.064/1783/0 Model GP-40, Adult Small, "BUOYANT SPORTS VEST" or "GENERAL BOATING VEST", Type III PFD.
- 160.064/1784/0 Model GP-50, Adult Medium, "BUOYANT SPORTS VEST" or "GENERAL BOATING VEST", Type III PFD.
- 160.064/1785/0 Model GP-60, Adult Large, "BUOYANT SPORTS VEST" or "GENERAL BOATING VEST", Type III PFD.
- 160.064/1786/0 Model GP-70, Adult X-Large, "BUOYANT SPORTS VEST" or "GENERAL BOATING VEST", Type III PFD.
- 160.064/1787/0 Model GP-80, Adult XX-Large, "BUOYANT SPORTS VEST" or "GENERAL BOATING VEST", Type III PFD.
- 160.064/1790/1 Model MW-10, Infant, "GENERAL BOATING VEST", and "INFANT VEST", Type II PFD.
- 160.064/1792/0 Type III Buoyant Sport Vest, Tyke (30-50 lb), Model 504.
- 160.064/1793/0 Type III Buoyant Sport Vest, Youth (50-90 lb), Model 505.
- 160.064/1794/0 Type III Buoyant Sport Vest, Adult Small, Model 506.
- 160.064/1795/0 Type III Buoyant Sport Vest, Adult Medium, Model 507.
- 160.064/1796/0 Type III Buoyant Sport Vest, Adult Large, Model 508.
- 160.064/1797/0 Type III Buoyant Sport Vest, Adult X-Large, Model 509.
- 160.064/1798/0 Type III Buoyant Sport Vest, Adult XX-Large, Model 510.
- 160.064/1831/1 Type III Buoyant Life Vest, Adult Small/Medium, Model 1002.
- 160.064/1832/1 Type III Buoyant Life Vest, Adult, Large/X-Large, Model 1003.
- 160.064/2267/0 Model MW-20, Child Small, "GENERAL BOATING VEST", Type II PFD.
- 160.064/2310/0 Type III Buoyant/Canoe & Kayak/Maxi Vest, Adult Small, Model 606.
- 160.064/2311/0 Type III Buoyant/Canoe & Kayak/Maxi Vest, Adult Medium, Model 607.
- 160.064/2312/0 Type III Buoyant/Canoe & Kayak/Maxi Vest, Adult Large, Model 608.
- 160.064/2313/0 Type III Buoyant/Canoe & Kayak/Maxi Vest, Adult X-Large, Model 609.
- 160.064/2409/0 Type III Canoe & Kayaking/Ultima/Buoyant Life Vest, Adult Small, Model UV-40/1606.
- 160.064/2410/0 Type III Canoe & Kayaking/Ultima/Buoyant Life Vest, Adult Medium, Model UV-50/1607.
- 160.064/2411/0 Type III Canoe & Kayaking/Ultima/Buoyant Life Vest, Adult Large, Model UV-60/1608.
- 160.064/2412/0 Type III Canoe & Kayaking/Ultima/Buoyant Life Vest, Adult X-Large, Model UV-70/1609.
- 160.064/2534/0 Type III Buoyant Float Jacket, Adult 30"-34", Model FJ-40.
- 160.064/2535/0 Type III Buoyant Float Jacket, Adult 36"-40", Model FJ-50.
- 160.064/2536/0 Type III Buoyant Float Jacket, Adult 40"-44", Model FJ-60.
- 160.064/2537/0 Type III Buoyant Float Jacket, Adult 46"-50", Model FJ-70.
- 160.064/2677/0 Type III Buoyant Sport Vest, Adult 30"-36", Model 1306.
- 160.064/2678/0 Type III Buoyant Sport Vest, Adult 38"-44", Model 1307.
- 160.064/2679/0 Type III Buoyant Sport Vest, Adult 46"-52", Model 1308.
- 160.064/2701/0 Type IV Buoyant Cushion, 15"x16", Model OC or.
- 160.064/2810/0 Model MW-30, Youth (26" - 29" chest, 30 - 50 lb), cloth-covered unicellular plastic foam "GENERAL BOATING VEST" and/or "MATE", Type III
- 160.064/2840/0 Model USFV-40, Adult Small (38" - 40" chest), cloth-covered unicellular plastic foam "GENERAL BOATING VEST", Type III PFD.
- 160.064/2841/0 Model USFV-50, Adult Medium (42" - 44" chest), cloth-covered unicellular plastic foam "GENERAL BOATING VEST", Type III PFD.
- 160.064/2842/0 Model USFV-60, Adult Large (46" - 48" chest), cloth-covered unicellular plastic foam "GENERAL BOATING VEST", Type III PFD.
- 160.064/2843/0 Model USFV-70, Adult X-Large (50" - 52" chest), cloth-covered unicellular plastic foam "GENERAL BOATING VEST", Type III PFD.

EQUIPMENT LISTS

160.064/2844/0 Model USFV-80, Adult XX-Large (54" - 58" chest), cloth-covered unicellular plastic foam "GENERAL BOATING VEST", Type III PFD.

160.064/2870/0 Model SV-80, Adult XX-Large (50" - 56" chest), cloth-covered unicellular plastic foam "SKI VEST", Type III PFD.

Polyfoam Packers Corporation, Coated Marine Products Division, 2320 Foster Avenue, Wheeling IL 60090
160.064/1107/1 Type IV Ring Buoy 18", Model A-18.

160.064/1438/1 Type IV Buoyant Cushion 15" x 15", Model 200.

160.064/2106/0 Type IV Buoyant Cushion 15" x 15", Model 200.

160.064/2314/0 Model 200, 15" x 15" x 2-1/2", urethane-coated Evalite foam "BUOYANT CUSHION", Type IV PFD.

Red Head Brand Corp., 4949 Joseph Hardin Drive, Dallas, TX 75236.

160.064/27/0 Model CYS-2, Child Small, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

Rotech International Industries Inc., 115 Saramia Crescent, Concord, Ontario, Canada L4K 3Z8

160.064/2925/0 Model LR-20, 51 cm (20-inch), polyethylene covered polyurethane plastic foam "RING BUOY", Type IV PFD.

160.064/2926/0 Model LR-24, 61 cm (24-inch), polyethylene covered polyurethane plastic foam "RING BUOY", Type IV PFD.

Safeguard Corp., PO Box 2004, Covington, KY 41012

160.064/2018/0 Model 403, Child X-Small, "CHILD'S SWIM VEST", TYPE III PFD.

160.064/2019/0 Model 404, Child Small, "CHILD'S SWIM VEST", TYPE III PFD.

160.064/2102/0 Model No. 405, Child medium, "CHILD SWIM VEST", Type III PFD.

160.064/2108/0 Models 171, 173, 180, 40 cm x 6 cm (16" x 14 1/8" x 2 1/2") Type IV PFD.

160.064/2130/0 Model 501/511, Youth (for person 50 to 90 lb), "GENERAL BOATING VEST" Type III PFD.

160.064/2131/0 Type III General Boating Vest, Adult Small, Model Seafare 5.

160.064/2132/0 Type III General Boating Vest, Adult Medium, Model Seafare 5.

160.064/2133/0 Type III General Boating Vest, Adult Large, Model Seafare 5.

160.064/2134/0 Type III General Boating Vest, Adult X-Large, Model Seafare 5.

160.064/2245/0 Model 413, Child X-Small, "CHILD'S SWIM VEST" Type III PFD.

160.064/2246/0 Model 414, Child Small, "CHILD'S SWIM VEST", Type III PFD.

160.064/2247/0 Model 415, Child Medium, "CHILD'S SWIM VEST", Type III PFD.

160.064/2915/0 Models 400, 400-W and 450, Adult Universal, "ALL PURPOSE VEST", Type III PFD.

160.064/2935/0 Model 210, Adult Universal, "WHITE WATER PFD", Type V PFD (APPROVED ONLY WHEN WORN).

160.064/2936/0 Model 211, Youth, "WHITE WATER PFD", Type V PFD (APPROVED ONLY WHEN WORN).

160.064/3032/0 Model 240, Adult Universal, "WHITE WATER PFD", Type V (APPROVED ONLY WHEN WORN).

WORN).

Sailing Foundation, 15040 253rd Ave. SE, Issaquah, WA 98027

160.064/2764/0 Model Lifesling, "OVERBOARD RESCUE SYSTEM", Type V PFD (Performance Type IV).
Approved substitute for throwable device on boats indicated on device label.

Sears, Roebuck And Co., Sears Tower, Dept. 606, Chicago, IL 60684

160.064/1041/0 Model 57811, Child Medium, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/1042/0 Model 57815, Adult, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/1043/0 Model 57815, Adult, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/1044/0 Model 57185, Adult, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/1045/0 Model 57815, Adult, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

LIFESAVING EQUIPMENT

- 160.064/1071/0 Model 63095-004, Child Medium cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/1072/0 Model 63095-006, Adult, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/1073/0 Model 57831-003, Adult, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/1074/0 Model 57831-004, Adult, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/1075/0 Model 57831-006, Adult, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/1076/0 Model 57831-007, Adult, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

Seda Products, Inc., PO Box 997, Chula Vista, CA 92012

- 160.064/2274/0 Type III Water Sports Buoyant Vest, Child (30-50 lb), Model 33.
- 160.064/2275/0 Type III Water Sports Buoyant Vest, Youth (50-90 lb), Model 33 with chest size 26-29 inches.
- 160.064/2277/0 Type III Water Sports Buoyant Vest, Adult Small, Model 33.
- 160.064/2279/0 Type III Water Sports Buoyant Vest, Adult Large, Model 33.
- 160.064/2280/0 Type III Water Sports Buoyant Vest, Adult X-Large, Model 33.

Soniform Inc., 1908 Friendship Drive, El Cajon, CA 92020

- 160.064/2966/0 Model ANXS, Child, "SKI 'N SPORT VEST", Type III PFD.
- 160.064/2967/0 Model ANSS or SKY, Youth, "SKI 'N SPORT VEST", Type III PFD.
- 160.064/2968/0 Model ANMS or SKXS, Adult X-Small, "SKI 'N SPORT VEST", Type III PFD.
- 160.064/2969/0 Model ANS or SKS, Adult Small, "SKI 'N SPORT VEST", Type III PFD.
- 160.064/2970/0 Model ANM, or SKM, Adult Medium, "SKI 'N SPORT VEST", Type III PFD.
- 160.064/2971/0 Model ANL or SKL, Adult Large, "SKI 'N SPORT VEST Type III PFD.
- 160.064/2972/0 Model ANXL or SKXL, Adult X-Large, "SKI 'N SPORT VEST", Type III PFD.
- 160.064/2973/0 Model ANXXL, Adult XX-Large, "SKI 'N SPORT VEST", Type III PFD.
- 160.064/2975/1 Model CVC or CFG, Child, "CHILD SAFETY VEST", Type II PFD.
- 160.064/2976/0 Model IFG or CVI, "YOUTH SAFETY VEST", "CHILD SAFETY VEST", or "INFANT SAFETY VEST", Type II PFD.
- 160.064/2977/0 Model CJMS, Adult X-Small, "COMPETITION SKI VEST", TYPE III PFD.
- 160.064/2978/0 Model CJS, Adult Small, "COMPETITION SKI VEST", Type III PFD.
- 160.064/2979/0 Model CJM, Adult Medium, "COMPETITION SKI VEST", Type III PFD.
- 160.064/2980/0 Model CJL, Adult Large, "COMPETITION SKI VEST" Type, III PFD.
- 160.064/2981/0 Model CJXL, Adult X-Large, "COMPETITION SKI VEST", TYPE III PFD.
- 160.064/2982/0 Model 404, Youth, "SKI VEST", Type III PFD.
- 160.064/2983/0 Model 404, Adult Small/Medium, "SKI VEST", Type III PFD.
- 160.064/2984/0 Model 404, Adult Large/X-Large, "SKI VEST", Type III PFD.
- 160.064/2985/0 Model 900, Adult Petite, "SKI VEST", TYPE III PFD.
- 160.064/2986/0 Model 900, Adult Small, "SKI VEST" TYPE III PFD.
- 160.064/2987/0 Model 900, Adult Medium, "SKI VEST", TYPE III PFD.
- 160.064/2993/0 Model MS90, AXS, "COMPETITION SKI VEST", TYPE III PFD.
- 160.064/2994/0 Model MS90, AS, "COMPETITION SKI VEST", Type III PFD.
- 160.064/2995/0 Model MS90, AM, "COMPETITION SKI VEST", TYPE III PFD.
- 160.064/2996/0 Model MS90, AL, "COMPETITION SKI VEST", TYPE III PFD.
- 160.064/2997/0 Model MS90, AXL, "COMPETITION SKI VEST", TYPE III PFD.
- 160.064/3013/0 Model LS90, Petite, "SKI VEST", Type III PFD.
- 160.064/3014/0 Model LS90, Small, "SKI VEST", Type III PFD.
- 160.064/3015/0 Model LS90, Medium, "SKI VEST", Type III PFD.
- 160.064/3016/0 Model LS90, Large, "SKI VEST", Type III PFD.
- 160.064/3017/0 Model 301, Small, "HIGH PERFORMANCE BOATING VEST", TYPE III PFD.

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- 160.064/3018/0 Model 301, Medium, "HIGH PERFORMANCE BOATING VEST", Type III PFD.
 160.064/3019/0 Model 301, Large, "HIGH PERFORMANCE BOATING VEST", Type III PFD.
 160.064/3020/0 Model 301, X-LARGE, "HIGH PERFORMANCE BOATING VEST", Type III PFD.
 160.064/3021/0 Model 301, XX-Large, "HIGH PERFORMANCE BOATING VEST", Type III PFD.
 160.064/3025/0 Model ANMMS, Adult XX-Small, "SKI 'N SPORT VEST", Type III PFD.
 160.064/3026/0 Model CJMMS, Adult XX-Small, "COMPETITION SKI VEST", Type III PFD.
 160.064/3027/0 Model CJXXL, Adult XX-Large, "COMPETITION SKI VEST", Type III PFD.

Stan Londen Products, Ltd., 176 John Street, Toronto, Ontario, Canada M5T 1X3
 160.064/2065/0 Type V Sailboard Vest, Adult Medium, Model M.

- Stearns Manufacturing Company, 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302
 160.064/162/0 Model SBV-2015, and ILV-415, ILV-416, Adult Large, "BOATING VEST" or "INDUSTRIAL LIFE VEST" (This is not a work vest) Type III PFD.
 160.064/163/0 Model Nos. SBV-2015, and ILV-415, ILV-416, Adult X-Large, "BOATING VEST" or "INDUSTRIAL LIFE VEST" (this is not a work vest) Type III PFD.
 160.064/164/0 Model Nos. SBV-2015, and ILV-415, ILV-416, Adult XX-Large, "BOATING VEST" or "INDUSTRIAL LIFE VEST" (This is not a work vest) Type III PFD.
 160.064/165/0 Model Nos. SBV-2015, and ILV-415, ILV-416, Adult XXX-Large, "BOATING VEST" or "INDUSTRIAL LIFE VEST" (This is not a work vest) Type III PFD.
 160.064/166/0 Model Nos. SBV-2015, and ILV-415, ILV-416, Adult Small, "BOATING VEST" or "INDUSTRIAL LIFE VEST" (This is not a work vest) Type III PFD.
 160.064/167/0 Model SBV-2015, and ILV-415, ILV-416, Adult Medium, "BOATING VEST" or "INDUSTRIAL LIFE VEST" (This is not a work vest) Type III PFD.
 160.064/323/2 Model 29-03, Adult Universal, "CANOE/KAYAK VEST" or "BOATING VEST", Type III PFD.
 160.064/367/1 Model IFJ-551, Adult Small, "FLOTATION JACKET" or "INDUSTRIAL FLOTATION JACKET", Type III PFD.
 160.064/368/1 Model IFJ-551, Adult Medium, "FLOTATION JACKET" or "INDUSTRIAL FLOTATION JACKET", Type III PFD.
 160.064/369/1 Model IFJ-551, Adult Large, "FLOTATION JACKET" or "INDUSTRIAL FLOTATION JACKET", Type III PFD.
 160.064/370/1 Model IFJ-551, Adult X-Large, "FLOTATION JACKET" or "INDUSTRIAL FLOTATION JACKET", Type III PFD.
 160.064/531/2 Models SBV-4164, SBV-4165, ILV-460, and ILV-465, Adult Small, "BUOYANT VEST", Type III PFD.
 160.064/532/2 Models SBV-4164, SBV-4165, ILV-460, and ILV-465, Adult Medium, "BUOYANT VEST", "SKI VEST", or "FISHING VEST", Type III PFD.
 160.064/533/2 Models SBV-4164, SBV-4165, ILV-460, and ILV-465, Adult Large, "BUOYANT VEST", "SKI VEST", or "FISHING VEST", Type III PFD.
 160.064/534/2 Model SBV-4164, SBV-4165, ILV-460, and ILV-465, Adult X-Large, "BUOYANT VEST", "SKI VEST", or "FISHING VEST", Type III PFD.
 160.064/550/1 Model IFJ-551, Adult XX-Large, "FLOTATION JACKET" or "INDUSTRIAL FLOTATION JACKET", Type III PFD.
 160.064/776/2 Models SBV-4164, SBV-4165, ILV-460, and ILV-465, Adult XX-Large or Super, "BUOYANT VEST", "SKI VEST", or "FISHING VEST", Type III PFD.
 160.064/900/2 Type III River Rafting Vest, Adult Small/Medium, Model RRV-155/-6155.
 160.064/1036/0 Model SBV-6700, Adult Medium, "BOATING VEST" OR "CANOE/KAYAK VEST", Type III PFD.
 160.064/1037/0 Model SBV-6700, Adult Large, "BOATING VEST" OR "CANOE/KAYAK VEST", Type III PFD.
 160.064/1038/0 Type III Kayak/Canoe Buoyant Vest, Adult X-Large, Model SSV-6700.
 160.064/1125/0 Type III Kayak/Canoe Buoyant Vest, Adult Small, Model SSV-6700.
 160.064/1136/1 Type III Work Vest, Adult Universal, Model IWV-222-1/-220-1.

LIFESAVING EQUIPMENT

- 160.064/1371/2 Model PW-3205, Child Small, "BUOYANT VEST", Type III PFD.
 160.064/1373/2 Model PW-3609, Child Medium, "BUOYANT VEST", Type III PFD.
 160.064/1938/0 Model SBC-6515A, 16" x 16" x 2 1/4", 2 1/2" or 2 5/8", "BUOYANT CUSHION" Type IV PFD.
 160.064/2241/2 Model PW-3001, Infant, "BOATING VEST", Type II PFD.
 160.064/2242/2 Model PW-3002, Child Small, "BOATING VEST", Type II PFD.
 160.064/2336/1 Model SBV-2135, -2136, -4150, -4152 Petite, "BOATING VEST" or "FISHING JACKET", Type III PFD.
 160.064/2337/1 Model SBV-2135, -2136, -4150, -4152 Adult Small, "BOATING VEST" or "FISHING JACKET", Type III PFD.
 160.064/2338/1 Model SBV-2135, -2136, -4150, -4152 Adult Medium, "BOATING VEST" or "FISHING JACKET", Type III PFD.
 160.064/2339/1 Model SBV-2135, -2136, -4150, -4152, Adult Large, "BOATING VEST" or "FISHING JACKET", Type III PFD.
 160.064/2340/1 Model SBV-2135, -2136, -4150, -4152 Adult X-Large, "BOATING VEST" or "FISHING JACKET", Type III PFD.
 160.064/2376/0 Model RRV-6145, Child Medium, "RIVER RAFTING", Type III PFD.
 160.064/2429/1 Model SBV-2135, -2136, -4150, -4152, Adult XX-Large, "BOATING VEST" or "FISHING JACKET", Type III PFD.
 160.064/2468/0 Model FJ-7035 or IFJ-35, Adult Small, "BUOYANT JACKET", Type III PFD.
 160.064/2469/0 Model FJ-7035 or IFJ-35, Adult Medium, "BUOYANT JACKET", Type III PFD.
 160.064/2470/0 Model FJ-7035 or IFJ-35, Adult Large, "BUOYANT JACKET", Type III PFD.
 160.064/2471/0 Model FJ-7035 or IFJ-35, Adult X-Large, "BUOYANT JACKET", Type III PFD.
 160.064/2472/0 Model FJ-7035 or IFJ-35, Adult XX-Large, "BUOYANT JACKET", Type III PFD.
 160.064/2581/0 Model 29-27, Child Small, "SKI VEST" OR "BOATING VEST", Type III PFD.
 160.064/2582/0 Model 29-27, Child Medium, "SKI VEST" OR "BOATING VEST", Type III PFD.
 160.064/2583/0 Model SBV-3120, Child Small, "BUOYANT VEST", Type III PFD.
 160.064/2584/0 Model SBV-3122 and SBV-4122, Child Medium, "BUOYANT VEST" and "FISHING VEST", Type III PFD.
 160.064/2588/0 Model 29-53, Adult Small/Medium, "BOATING VEST", "FISHING VEST", OR "SKI VEST", Type III PFD.
 160.064/2589/0 Model 29-53, Adult Large/X-Large, "BOATING VEST", "FISHING VEST", OR "SKI VEST", Type III PFD.
 160.064/2590/0 Model 29-53, Adult XX-Large, "BOATING VEST", "FISHING VEST", OR "SKI VEST", Type III PFD.
 160.064/2605/0 Model SBV-5331, Adult Small, "BOATING VEST", or "SKI VEST", Type III PFD.
 160.064/2606/0 Model SBV-5331, Adult Medium, "BOATING VEST", or "SKI VEST", Type III PFD.
 160.064/2607/0 Model SBV-5331, Adult Large, "BOATING VEST" or "SKI VEST", Type III PFD.
 160.064/2608/0 Model SBV-5331, Adult X-Large, "BOATING VEST", or "SKI VEST", Type III PFD.
 160.064/2609/0 Model SBV-5331, Adult XX-Large, "BOATING VEST" or "SKI VEST", Type III PFD.
 160.064/2610/0 Type III Buoyant, Fishing, Ski Vest, Adult 30"-52", Model SBV-21.
 160.064/2611/0 Type III Buoyant Vest/Ski Vest, Adult 36"-38", Model SBV-5362.
 160.064/2612/0 Type III Buoyant Vest/Ski Vest, Adult 40"-42", Model SBV-5362.
 160.064/2613/0 Type III Buoyant Vest/Ski Vest, Adult 44"-46", Model SBV-5362.
 160.064/2614/0 Type III Buoyant Vest/Ski Vest, Adult 48"-50", Model SBV-5362.
 160.064/2615/0 Type III Buoyant Vest/Ski Vest, Adult 50"-52", Model SBV-5362.
 160.064/2616/0 Models 29-52, Adult Small, "BOATING VEST", OR "SKI VEST", Type III PFD.
 160.064/2617/0 Models 29-52, Adult Medium, "BOATING VEST", OR "SKI VEST", Type III PFD.
 160.064/2618/0 Models 29-52, Adult Large, "BOATING VEST", OR "SKI VEST", Type III PFD.
 160.064/2619/0 Models 29-52, Adult X-Large, "BOATING VEST", OR "SKI VEST", Type III PFD.
 160.064/2620/0 Models 29-52, Adult XX-Large, "BOATING VEST", OR "SKI VEST", Type III PFD.
 160.064/2621/0 Model SBV-6777, Adult Small, "BOATING VEST", Type III PFD.
 160.064/2622/0 Model SBV-6777, Adult Medium, "BOATING VEST", Type III PFD.
 160.064/2623/0 Model SBV-6777, Adult Large, "BOATING VEST", Type III PFD.

EQUIPMENT LISTS

- 160.064/2624/0 Model SBV-6777, Adult X-Large, "BOATING VEST", Type III PFD.
 160.064/2625/0 Model SBV-6777, Adult XX-Large, "BOATING VEST", Type III PFD.
 160.064/2723/0 Model SBC-6516, 42 x 36 x 6 cm (16 1/2 x 14 x 2 1/2 inches), "BUOYANT CUSHION", OR "BOATING CUSHION", Type IV PFD.
 160.064/2740/0 Type III Buoyant/Ski Vest, Adult 32"-34", Model SBV-5331.
 160.064/2751/0 Model 29-27, Youth Long, "SKI VEST" OR "BOATING VEST", Type III PFD.
 160.064/2753/0 Model FJ-7030, Small (36" - 38" chest), cloth-covered unicellular plastic foam "FLOTATION JACKET", Type III PFD.
 160.064/2754/0 Model FJ-7040, Medium (40" - 42" chest), cloth-covered unicellular plastic foam "FLOTATION JACKET", Type III PFD.
 160.064/2755/0 Model FJ-7060, Large (44" - 46" chest), cloth-covered unicellular plastic foam "FLOTATION JACKET", Type III PFD.
 160.064/2756/0 Model FJ-7080, X-Large (48" - 50" chest), cloth-covered unicellular plastic foam "FLOTATION JACKET", Type III PFD.
 160.064/2757/0 Model IFJ-35a, XX-Large (50" - 52" chest), cloth-covered unicellular plastic foam "FLOTATION JACKET", Type III PFD.
 160.064/2758/0 Models FJ-7030, -7040, -7060, -7080; IFJ-35a, -52a or -66 -55a; Adult large, "FLOTATION JACKET", Type III PFD.
 160.064/2759/0 Models FJ-7070 and IFJ-77, Adult Small, "FLOTATION JACKET", OR "INDUSTRIAL LIFE JACKET", Type III PFD.
 160.064/2760/0 Models FJ-7070 and IFJ-77, Adult Medium, "FLOTATION JACKET", OR "INDUSTRIAL LIFE JACKET", Type III PFD.
 160.064/2761/0 Models FJ-7070 and IFJ-77, Adult Large, "FLOTATION JACKET", OR "INDUSTRIAL LIFE JACKET", Type III PFD.
 160.064/2762/0 Models FJ-7070 and IFJ-77, Adult X-Large, "FLOTATION JACKET", OR "INDUSTRIAL LIFE JACKET", Type III PFD.
 160.064/2763/0 Models FJ-7070 and IFJ-77, Adult XX-Large, "FLOTATION JACKET", OR "INDUSTRIAL LIFE JACKET", Type III PFD.
 160.064/2847/0 Model 29-57, Adult Small, "BOATING VEST" OR "FISHING VEST", Type III PFD.
 160.064/2848/0 Model 29-57, Adult Medium, "BOATING VEST" OR "FISHING VEST", Type III PFD.
 160.064/2849/0 Model 29-57, Adult Large, "BOATING VEST" OR "FISHING VEST", Type III PFD.
 160.064/2850/0 Model 29-57, Adult X-Large, "BOATING VEST" OR "FISHING VEST", Type III PFD.
 160.064/2851/0 Model 29-57, Adult XX-Large, "BOATING VEST" OR "FISHING VEST", Type III PFD.
 160.064/2863/0 Model FS-7580, Adult X-Small, "FLOTATION SUIT", Type V PFD.
 160.064/2864/0 Model FS-7580, Adult Small, "FLOTATION SUIT", Type V PFD.
 160.064/2865/0 Model FS-7580, Adult Medium, "FLOTATION SUIT", Type V PFD.
 160.064/2866/0 Model FS-7580, Adult Large, "FLOTATION SUIT", Type V PFD.
 160.064/2867/0 Model FS-7580, Adult X-Large, "FLOTATION SUIT", Type V PFD.
 160.064/2868/0 Model FS-7580, Adult XX-Large, "FLOTATION SUIT", Type V PFD.
 160.064/2869/0 Model FS-7580, Adult XXX-Large, "FLOTATION SUIT", Type V PFD.
 160.064/3006/0 Models WJM-9147 and IHV-507, Adult Small, "BOATING VEST", OR "INDUSTRIAL LIFE VEST", Type III PFD.
 160.064/3007/0 Models WJM-9147 and IHV-507, Adult Medium, "BOATING VEST", OR "INDUSTRIAL LIFE VEST", Type III PFD.
 160.064/3008/0 Models WJM-9147 and IHV-507, Adult Large, "BOATING VEST", OR "INDUSTRIAL LIFE VEST", Type III PFD.
 160.064/3009/0 Models WJM-9147 and IHV-507, Adult X-Large, "BOATING VEST", OR "INDUSTRIAL LIFE VEST", Type III PFD.
 160.064/3010/0 Models WJM-9147 and IHV-507, Adult XX-Large, "BOATING VEST", OR "INDUSTRIAL LIFE VEST", Type III PFD.
 160.064/3061/0 Model FJ-7070, IFJ-77, Adult X-Small, "FLOTATION JACKET", OR "INDUSTRIAL LIFE JACKET", Type III PFD.

LIFESAVING EQUIPMENT

- 160.064/3065/0 Models SBV-5385, -5390, -5392, -5395, Adult Small, "BOATING VEST" OR "SKI VEST", Type III PFD.
- 160.064/3066/0 Models SBV-5385, -5390, -5392, -5395, Adult Medium, "BOATING VEST" OR "SKI VEST", Type III PFD.
- 160.064/3067/0 Models SBV-5385, -5390, -5392, -5395, Adult Large, "BOATING VEST" OR "SKI VEST", Type III PFD.
- 160.064/3068/0 Models SBV-5385, -5390, -5392, -5395, Adult X-LARGE, "BOATING VEST" OR "SKI VEST", Type III PFD.
- 160.064/3069/0 Models SBV-5385, -5390, -5392, -5395, Adult XX-Large, "BOATING VEST" OR "SKI VEST", Type III PFD.
- 160.064/3114/0 Model 29-63, Adult Universal, "BOATING VEST" OR "FISHING VEST", Type III PFD.
- 160.064/3117/0 Model 29-64, Child Small, "BOATING VEST" OR "FISHING VEST", Type III PFD.
- 160.064/3118/0 Model 29-64, Youth, "BOATING VEST OR FISHING VEST", Type III PFD.
- 160.064/3119/0 Models SBV-4164, SBV-4165, ILV-460, and ILV-465, Adult XXX-Large, "BUOYANT VEST", "SKI VEST", or "FISHING VEST", Type III PFD.

Sunrise Sport & Marine Corp., dba Solar Sport, 12121 NE Northrup Way, Suite 109B, Bellevue, WA 98005

- 160.064/1710/0 Model 100, Adult X-Small, "SKI AND BOATING VEST", Type III PFD.
- 160.064/1711/0 Model 100, Adult Small, "SKI AND BOATING VEST", Type III PFD.
- 160.064/1712/0 Model 100, Adult Medium, "SKI AND BOATING VEST", Type III PFD.
- 160.064/1713/1 Model 100, Adult Large, "SKI AND BOATING VEST", Type III PFD.
- 160.064/1714/1 Model 100, Adult X-Large, "SKI AND BOATING VEST", Type III PFD.

Takashima Life Preservers Co. Ltd., 1-1-34 Kuboyoshi, Naniwa-Ku, Osaka 556, Japan

- 160.064/3149/0 Model C-PVC, Child, "BOATING VEST", TYPE III PFD.
- 160.064/3150/0 Model Y-PVC, Youth, "BOATING VEST", TYPE III PFD.
- 160.064/3151/0 Model XS-PVC, Adult X-Small, "BOATING VEST", TYPE III PFD.
- 160.064/3152/0 Model S-PVC, Small, "BOATING VEST", TYPE III PFD.
- 160.064/3153/0 Model M-PVC, Medium, "BOATING VEST", TYPE III PFD.
- 160.064/3154/0 Model L-PVC, Large, "BOATING VEST", TYPE III PFD.
- 160.064/3155/0 Model XL-PVC, X-Large, "BOATING VEST", TYPE III PFD.
- 160.064/3156/0 Model XX-PVC, XX-Large, "BOATING VEST", TYPE III PFD.
- 160.064/3157/0 Model C-PE, Child, "BOATING VEST", TYPE III PFD.
- 160.064/3158/0 Model Y-PE, Youth, "BOATING VEST", TYPE III PFD.
- 160.064/3159/0 Model XS-PE, Adult X-Small, "BOATING VEST", TYPE III PFD.
- 160.064/3160/0 Model S-PE, Small, "BOATING VEST", TYPE III PFD.
- 160.064/3161/0 Model M-PE, Medium, "BOATING VEST", TYPE III PFD.
- 160.064/3162/0 Model L-PE, Large, "BOATING VEST", TYPE III PFD.
- 160.064/3163/0 Model XL-PE, X-Large, "BOATING VEST", TYPE III PFD.
- 160.064/3164/0 Model XX-PE, XX-Large, "BOATING VEST", TYPE III PFD.
- 160.064/3218/0 Model MPS, Adult Small, "KAYAKING AND SAILING VEST", TYPE V PFD.
- 160.064/3219/0 Model MPS, Adult Medium, "KAYAKING AND SAILING VEST", TYPE V PFD.
- 160.064/3220/0 Model MPS, Adult Large, "KAYAKING AND SAILING VEST", TYPE V PFD.
- 160.064/3221/0 Model MPS, Adult X-Large, "KAYAKING AND SAILING VEST", TYPE V PFD.
- 160.064/3222/0 Model MPZ, Adult Small, "KAYAKING AND SAILING VEST", Type III PFD.
- 160.064/3223/0 Model MPZ, Adult Medium, "KAYAKING AND SAILING VEST", Type III PFD.
- 160.064/3224/0 Model MPZ, Adult Large, "KAYAKING AND SAILING VEST", Type III PFD.
- 160.064/3225/0 Model MPZ, Adult X-LARGE, "KAYAKING AND SAILING VEST", Type III PFD.

Texas Recreation Corp, 908 N Beverly Dr, P. O. Drawer 539, Wichita Falls, TX 76307

- 160.064/326/0 Model VCM, Child Medium, "SAIL 'N' SKI VEST", Type III PFD.
- 160.064/327/1 Model VAXS, Adult X-small, "Sail 'N' Ski Vest", Type III PFD.
- 160.064/328/1 Model VAS, Adult Small, "SAIL 'N' SKI VEST", Type III PFD.

EQUIPMENT LISTS

- 160.064/329/1 Model VAM, Adult Medium, "SAIL 'N' SKI VEST", Type III PFD.
 160.064/330/1 Model VAL, Adult Large, "SAIL 'N' SKI VEST", Type III PFD.
 160.064/399/0 Model VAXL, Adult X-Large, "SAIL 'N' SKI VEST", Type III PFD.
 160.064/1061/0 Type III Boating Recreation Vest, Adult Universal, Model RVA.
 160.064/1064/0 Model No. 200 CS, Child Small, "SWIM VEST", Type III PFD.
 160.064/1294/0 Model LVS, Adult, Ladies Small, "SAIL & SKI VEST", Type III PFD.
 160.064/1295/0 Model LVML, Adult, Ladies Medium /Large, "SAIL & SKI VEST", Type III PFD.
 160.064/1296/0 Model LVXL, Adult, Ladies X-Large, "SAIL & SKI VEST", Type III PFD.
 160.064/1297/0 Model LVXXL, Adult, Ladies XX-Large, "SAIL & SKI VEST", Type III PFD.
 160.064/1320/0 Model VCS, Child Small, "SWIM VEST", Type III PFD.
 160.064/1321/0 Model VCXS, Child X-Small, "SWIM VEST", Type III PFD.
 160.064/1693/0 Model LVXS, Adult Ladies X-small, "SAIL 'N' Ski Vest", Type III PFD.
 160.064/A2088/0 Type III Competition Ski Vest, Adult Small, Model CNVS.
 160.064/A2089/0 Type III Competition Ski Vest, Adult Medium, Model CNVM.
 160.064/A2090/0 Type III Competition Ski Vest, Adult Large, Model CNVL.
 160.064/A2185/0 Type III Competition Ski Vest, Adult X-Large, Model CNVXL.

Trimarine Canada Ltd., 628 Monmouth Road, P.O. Box 2545, Windsor, Ontario, Canada N8Y 4T3
 160.064/1873/0 Type III Flotation Jacket, Adult Small, Model 101.

Vogue Ski Co., 9416 Gidley Avenue, Temple City, CA 91780

- 160.064/1535/0 Model 705A, Adult X-Large, cloth covered unicellular plastic foam "SKI AND SPORTS VEST", Type III PFD.

Wavelength Wetsuits USA Inc., 1140 Mark Ave., Carpinteria, CA 93013

- 160.064/3028/0 Model 3026, Adult Small, "SKI VEST", Type III PFD.
 160.064/3029/0 Model 3026, Adult Medium, "SKI VEST", Type III PFD.
 160.064/3030/0 Model 3026, Adult Large, "SKI VEST", Type III PFD.
 160.064/3031/0 Model 3026, Adult X-LARGE, "SKI VEST", Type III PFD.

Wellington Leisure Products Inc., 1140 Monticello Hwy, P.O. Box 244, Madison, GA 30650

- 160.064/144/0 Type III White Water Rafting Vest, Child (50-90 lb.), Model 1062-1.
 160.064/145/0 Type III White Water Rafting Vest, Adult Universal, Model 1062-1.
 160.064/469/0 Type III Ski Swim And Jump Vest, Child Small (30-50 lb), Model S9762.
 160.064/471/2 Type III Swim, Jump and Ski Vest, Adult Medium, Model S9764.
 160.064/472/2 Type III Swim, Jump and Ski Vest, Adult Large, Model S9765.
 160.064/473/2 Type III Swim, Jump and Ski Vest, Adult X-Large, Model S9766.
 160.064/730/0 Type III Boating Buoyant Vest, Adult Medium, Model 1010/1015/1016.
 160.064/731/0 Type III Boating Buoyant Vest, Adult Large, Model 1010/1015/1016.
 160.064/1374/1 Type III Swim, Jump and Ski Vest, Adult Small, Model S9763.
 160.064/1394/0 Type III Boating Buoyant Vest, Adult X-Large, Model 1010/1015/1016.
 160.064/1401/0 Type III Ski Vest, Adult Small, Model 1040.
 160.064/1402/0 Type III Ski Vest, Adult Medium, Model 1040.
 160.064/1403/0 Type III Ski Vest, Adult Large, Model 1040.
 160.064/1404/0 Type III Ski Vest, Adult X-Large, Model 1040.
 160.064/1405/0 Type III Recreation Buoyant Vest, Adult Universal, Model 1020/1022/1024/1026.
 160.064/1592/0 Type III Boating Buoyant Vest, Adult Small, Model 1010/1015/1016.
 160.064/1644/0 Type III Boating Buoyant Vest, Adult Large, Model 1017.
 160.064/1675/0 Type III Water Ski Vest, Adult X-Small, Model 1040.
 160.064/1739/0 Type III Boating Buoyant Vest, Pee Wee (30-50 lb), Model 1008/1015/1016.
 160.064/1740/0 Type III Boating Buoyant Vest, Youth (50-90 lb), Model 1008/1015/1016.
 160.064/1750/0 Type III Water Ski Vest, Pee Wee (30-50 lb), Model 1041/1042/1043/1044.
 160.064/1751/0 Type III Water Ski Vest, Youth (50-90 lb), Model 1041/1042/1043/1044.
 160.064/1752/0 Type III Water Ski Vest, Adult X-Small, Model 1041/1042/1043/1044.

LIFESAVING EQUIPMENT

- 160.064/1753/0 Type III Water Ski Vest, Adult Small, Model 1041/1042/1043/1044.
 160.064/1754/0 Type III Water Ski Vest, Adult Medium, Model 1041/1042/1043/1044.
 160.064/1755/0 Type III Water Ski Vest, Adult Large, Model 1041/1042/1043/1044.
 160.064/1756/0 Type III Water Ski Vest, Adult X-Large, Model 1041/1042/1043/1044.
 160.064/1864/0 Model S-9774, Adult Small, "SWIM, JUMP AND SKI VEST", Type III PFD.
 160.064/1865/0 Model S-9775, Adult Medium, "SWIM, JUMP AND SKI VEST", Type III PFD.
 160.064/1866/0 Model S-9776, Adult large, "SWIM, JUMP AND SKI VEST", Type III PFD.
 160.064/1867/0 Model S-9777, Adult X-Large, "SWIM, JUMP AND SKI VEST", Type III PFD.
 160.064/1896/0 Model S9936, 20 inches, "RING BUOY", Type IV PFD.
 160.064/1930/0 Model S9935, 18 inches, "RING BUOY", Type IV PFD.
 160.064/1994/0 Type III Boating Buoyant Vest, Adult Small/Medium, Model 1005/6/7/8.
 160.064/1995/0 Type III Boating Buoyant Vest, Adult Large/X-Large, Model 1005/6/7/8.
 160.064/2071/0 Type III Boating Buoyant Vest, Adult Large/X-Large, Model 1005/6/7/8.
 160.064/2103/0 Type III Water Ski Vest, Child Small (30-50 lb), Model 1041/2/3/4.
 160.064/2104/0 Type III Water Ski Vest, Youth (50-90 lb), Model 1041/2/3/4.
 160.064/2105/0 Type III Water Ski Vest, Youth (50-90 lb), Model 1041/2/3/4.
 160.064/2112/0 Type II Boating Buoyant Vest, Toddler (under 50 lb), Model 1060/1061/1062.
 160.064/2156/0 Type III Water Ski Vest, Adult Small, Model 1050.
 160.064/2157/0 Type III Water Ski Vest, Adult Medium, Model 1050.
 160.064/2158/0 Type III Water Ski Vest, Adult Large, Model 1050.
 160.064/2159/0 Type III Water Ski Vest, Adult X-Large, Model 1050.
 160.064/2201/0 Model 1042, Adult X-Small, "WATER SKI VEST", Type III PFD.
 160.064/2202/0 Model 1042, Adult Small, "WATER SKI VEST", Type III PFD.
 160.064/2203/0 Model 1042, Adult Medium or Adult Small Medium, "WATER SKI VEST", Type III PFD.
 160.064/2204/0 Model 1042, Adult Large, "WATER SKI VEST", Type III PFD.
 160.064/2205/0 Model 1042, Adult X-LARGE, LARGE/XL, or Adult Universal, "WATER SKI VEST", Type III PFD.
 160.064/2206/0 Type III Water Ski or Boating Vest, Adult Universal, Model 1001.
 160.064/2207/0 Type III Water Ski or Boating Vest, Adult Universal, Model 1003.
 160.064/2235/0 Type III Boating Buoyant Vest, Adult Large/X-Large, Model 1006/1009/1041.
 160.064/2236/0 Models SBV -2135, -2136, -4150 -4152, Petite, "BOATING VEST OR FISHING VEST", Type III PFD.
 160.064/2243/0 Type II Rafting Vest, Child (50-90 lb), Model 1062/3/4/5.
 160.064/2244/0 Type II Rafting Vest, Adult Universal, Model 1062/3/4/5.
 160.064/2249/0 Type III Fishing Vest, Adult 36"-38", Model BTM-100.
 160.064/2250/0 Type III Fishing Vest, Adult 40"-42", Model BTM-100.
 160.064/2251/0 Type III Fishing Vest, Adult 44"-46", Model BTM-100.
 160.064/2252/0 Type III Fishing Vest, Adult 48"-52", Model BTM-100.
 160.064/2253/0 Type III Fishing Vest, Adult 52"-56", Model BTM-100.
 160.064/2254/0 Type III Fishing Vest, Adult 30"-52", Model BTM-100.
 160.064/2335/0 Type IV Buoyant Cushion, 16"x14", Model W2567/8.
 160.064/2372/0 Type III General Boating Vest, Adult Small, Model BEB-1.
 160.064/2373/0 Type III General Boating Vest, Adult Medium, Model BEB-1.
 160.064/2374/0 Type III General Boating Vest, Adult Large, Model BEB-1.
 160.064/2375/0 Type III General Boating Vest, Adult X-Large, Model BEB-1.
 160.064/2379/0 Type III Boating Buoyant Vest, Adult Small/Medium, Model 1106/1108/1109/1141.
 160.064/2380/0 Type III Boating Buoyant Vest, Adult Large/X-Large, Model 1106/1108/1109/1141.
 160.064/2434/0 Type III Buoyant Vest, Adult Small/Medium, Model 1170.
 160.064/2435/0 Type III Buoyant Vest, Adult Large/X-Large, Model 1170.
 160.064/2448/0 Type III Boating Buoyant Vest, Adult X-Small, Model 1206.
 160.064/2449/0 Type III Boating Buoyant Vest, Youth (50-90 lb), Model 1206.
 160.064/2450/0 Type III Boating Buoyant Vest, Pee Wee (30-50 lb), Model 1206.
 160.064/2486/0 Type III Fishing Vest, Adult 54"-58", Model BTM-100.

EQUIPMENT LISTS

- 160.064/2487/0 Type III General Boating Vest, Adult 34"-36", Model FCRS-1.
 160.064/2488/0 Type III General Boating Vest, Adult 38"-40", Model FCRS-1.
 160.064/2489/0 Type III General Boating Vest, Adult 42"-44", Model FCRS-1.
 160.064/2490/0 Type III General Boating Vest, Adult 46"-48", Model FCRS-1.
 160.064/2491/0 Type III General Boating Vest, Adult 50"-52", Model FCRS-1.
 160.064/2492/0 Type III General Boating Vest, Adult 52"-56", Model FCRS-1.
 160.064/2493/0 Type III General Boating Vest, Adult 50"-52", Model BEB-1.
 160.064/2494/0 Type III General Boating Vest, Adult 52"-56", Model BEB-1.
 160.064/2514/0 Type III General Boating Vest, Youth 26"-29" (50-90 lb), Model BEB-1.
 160.064/2674/0 Type III Buoyant Vest, Adult 32"-34", Model 2000.
 160.064/2675/0 Type III Buoyant Vest, Adult 36"-38", Model 2000.
 160.064/2676/0 Type III Buoyant Vest, Adult 40"-42", Model 2000.
 160.064/2833/0 Model numbers 1109 and 1141, Adult Universal (32" - 52" chest), cloth-covered unicellular plastic foam "BOATING BUOYANT VEST", Type III PFD.
 160.064/2883/0 Model numbers 2001, 2010, 2020, Adult Small/Medium (32" - 40" chest), cloth-covered unicellular plastic foam "GENERAL BOATING VEST", Type III
 160.064/2890/0 Model numbers 2001, 2010, and 2020, Adult Large/X-Large, cloth-covered unicellular plastic foam "GENERAL BOATING VEST", Type III PFD.
 160.064/2891/0 Model numbers 2001, 2010, and 2020, Adult Universal (30" - 52" chest), cloth-covered unicellular plastic foam "GENERAL BOATING VEST", Type III
 160.064/2892/0 Model 2050, Adult S/M (32" - 40" chest), cloth-covered unicellular plastic foam "BOATING VEST", Type III PFD.
 160.064/2893/0 Model 2050, Adult L/XL (40" - 48" chest), cloth-covered unicellular plastic foam "BOATING VEST", Type III PFD.
 160.064/2894/0 Model 2050, Adult XXL/XXXL (48" - 56" chest), cloth-covered unicellular plastic foam "BOATING VEST", Type III PFD.
 160.064/2895/0 Model 2075, Pee Wee (for persons 30 to 50 lb), cloth covered unicellular plastic foam "GENERAL BOATING VEST", Type III PFD.
 160.064/2896/0 Model 2075, Youth (for persons 50 to 90 lb), cloth covered unicellular plastic foam "GENERAL BOATING VEST", Type III PFD.
 160.064/2897/0 Model BTM-100, Adult Small/Medium (36" - 42" chest), cloth-covered unicellular plastic foam "FISHING VEST", Type III PFD.
 160.064/2898/0 Model BTM-100, Adult Large/X-Large (42" - 50" chest), cloth-covered unicellular plastic foam "FISHING VEST", Type III PFD.
 160.064/2899/0 Model BTM-100, Adult XX-Large/XXX-Large (50" - 58" chest), cloth-covered unicellular plastic foam "FISHING VEST", Type III PFD.
 160.064/2927/0 MODEL 1042, ADULT XX-LARGE (FOR PERSONS WITH CHEST SIZE 48 - 52 INCHES), CLOTH-COVERED UNICELLULAR PLASTIC FOAM "WATER SKI VEST", TYPE III PFD.
 160.064/2928/0 Model 1042, Adult XXL/XXXL, cloth-covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2929/0 Model 500, 15" x 15" x 2-1/2", cloth-covered unicellular plastic foam "BUOYANT CUSHION", Type IV PFD.
 160.064/2933/0 Model 2001, 2010, or 2020, Adult Small, cloth covered unicellular plastic foam "GENERAL BOATING VEST", Type III PFD.
 160.064/2934/0 Model 2001, 2010, or 2020, Adult Large, cloth covered unicellular plastic foam "GENERAL BOATING VEST", Type III PFD.
 160.064/3049/0 Model 1042AU, Adult Universal "WATER SKI VEST", Type III PFD.
 Wirt Inflatable Specialists, Inc., P.O. Box 520, Elizabeth, WV 26143
 160.064/2179/0 Type III Buoyant Life Vest, Adult Universal, Model WIS-1.

LIFESAVING EQUIPMENT

160.065 PROTECTING COVER FOR LIFEBOATS

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759

160.065/7/0 "MASECO" Type MARK II, protecting cover for all type of aluminum, steel, and fibrous glass reinforced plastic lifeboats.

160.066 RED AERIAL PYROTECHNIC FLARE

Heckler & Koch, Inc., 14601 Lee Road, Chantilly, VA 22021

160.066/19/0 19 mm flare for use with Heckler & Koch launcher, 160.028/19/0.

Nico-Pyrotechnic, Beider Feuerwerkerei 4, P.O. Box 1227, D-2077 Trittau, Federal Republic of Germany

160.066/22/0 Type 6/16 x 45 Red Aerial Flare for use in NICOSIGNAL Launcher, approval no. 160.028/20/0.

Orion Marine Signal Products, Div. Of Std. Fusee Corp., P.O. Box 107, Peru, IN 46970

160.066/9/0 Orion 25 mm Red Meteor Flare cartridge for use in approved 25 mm pistol - 8 second burn time, 10,000 candela, 114 meters (375 feet) altitude.

160.066/10/0 Orion 12 Gauge Red Meteor Flare cartridge for use in approved 12 gauge signal pistol, 6 second burn time, 10,000 candela, 76 m (250 ft) altitude.

160.066/11/0 Orion 25 mm Red Parachute Flare cartridge for use in approved 25 mm pistol, 25 second burn time, 10,000 candela 300 m (1000 ft) altitude.

160.066/27/1 Orion Pocket Rocket Meteor for use with Orion Pocket Rocket Launcher, appr #160.028/24/1, 5.5 sec burn time, 10,000 candela, 91 m (300 ft) altitude. Some meteors may be marked with approval number 160.066/27/0.

160.066/29/0 Orion 25 mm Red Meteor Flare cartridge for use in approved 25 mm pistol - 6 second burn time, 30,000 candela, 114 meters (375 feet) altitude. Tests and inspections conducted by Imanna Laboratory Inc., Rockledge, FL.

Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom

160.066/25/0 Pains-Wessex 2 Star Red Rocket MK 3, 30,000 candela, 9 second burn time, 300 meter altitude.

160.066/26/0 Schermuly 2 Star Red Rocket MK 3, 30,000 candela, 9 second burn time, 300 meter altitude.

Pyrotechnics Industries, Inc., 600 Center Ave., Grand Junction, CO 81501

160.066/20/0 12 ga. red meteor flare for 12 ga. flare pistol.

160.066/21/0 Brite Star self-contained red meteor flare.

Skyblazer Inc., 1700 Via Burton, Anaheim, CA 92806

160.066/8/0 Model 20R8 Skyblazer self-contained red meteor flare - 8 second burn time, 20,000 candela, 500 feet altitude.

160.066/A20/0 Skyblazer 12 ga. Red Meteor Flare cartridge for 12 ga. signal pistol - 6.5 second burn time, 10,000 candela, 250 feet altitude.

160.066/28/0 Twin Star Red Aerial Flare/Launcher, self-contained, 6 second burn time, 12,000 candela, 300 feet altitude.

160.070 AUTOMATIC DISENGAGING DEVICES

Used with launching devices listed under 160.063 and "davit-launched" life rafts listed under 160.051.

Davit International GmbH, Berliner Strasse 73-75, Postfach 1566, W-2838 Sulingen, Federal Republic Of Germany

160.070/7/0 Model ARH/3-C-100; 5,070-lb working load.

Rubber Fabricators, Inc., P.O. Box 248, Apex, NC 27502

160.070/5/0 Model MK-4; 5,500-lb working load.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759

160.070/8/0 Model ARH-50 approved for a maximum working load of 5,000 lb on a single-part fall.

160.070/9/0 Model ARH-100 automatic disengaging device (release hook) for liferafts; maximum working load 10,000 lb (4,536 kg) on a single-part fall.

SMR Technologies, Inc., P.O. Box 326, 1420 Wolf Creek Trail, Sharon Center, OH 44274-0326

160.070/3/0 Type 5 RA 1134 automatic disengaging device (release hook) for davit-launched liferafts; maximum working load 5,000 lb.

EQUIPMENT LISTS

160.072 DISTRESS SIGNALS FOR BOATS, ORANGE FLAG

The following manufacturers have certified that they offer orange flag distress signals meeting 46 CFR 160.072.

ACR Electronics, Inc., 5757 Ravenswood Road, P.O. Box 5247, Fort Lauderdale, FL 33310-5247

Bearse Manufacturing Co., 3815 West Cortland Street, Chicago, IL 60647

Cal-June Corporation, P.O. Box 9551, North Hollywood, CA 91609-1551

Kilgore Corp., Bradford Road, Toone, TN 38381-0099

Nelson A. Taylor Co., Inc., 10 West 9th Avenue, Gloversville, NY 12978

Orion Marine Signal Products, Div. Of Std. Fusee Corp., P.O. Box 107, Peru, IN 46970

Joseph M. Pitisi, 6135 East 23rd Street, Long Beach, CA 90815

S E Ventures, Inc., 8267 Lighthouse Lane, King George, VA 22485

160.073 FLOAT-FREE LINK FOR LIFE FLOATS AND BUOYANT APPARATUS

The following manufacturers have notified the Coast Guard that they offer float-free links certified to meet 46 CFR 160.073. These float-free links are for use with life floats and buoyant apparatus and are not interchangeable with weak links intended for use with inflatable liferafts.

Billy Pugh Co., Inc., 1510 North Broadway, P.O. Box 802, Corpus Christi, TX 78403

Cal-June Corporation, P.O. Box 9551, North Hollywood, CA 91609-1551 (Also offers painter coiled in special container.)

Plasti-Kraft Corporation, Ozona Industrial Park, Ozona, FL 33560

160.077 HYBRID INFLATABLE PERSONAL FLOTATION DEVICE

Devices marked "REQUIRED TO BE WORN" may be used to meet Coast Guard PFD carriage requirements only if the device is worn whenever the vessel is underway and the intended wearer is not in an enclosed space.

Difforte Innovations Inc., 3510 Northwind Road, PO Box 8357, Baltimore, MD 21234

160.077/11/0 Model D-4T, Adult Small, belt style, recreational hybrid inflatable Type V PFD, with performance equivalent to a Type III PFD after inflation.

160.077/12/0 Model D-4T, Adult Medium, belt style, recreational hybrid inflatable Type V PFD, with performance equivalent to a Type III PFD after inflation.

160.077/13/0 Model D-4T, Adult Large, belt style, recreational hybrid inflatable Type V PFD, with performance equivalent to a Type III PFD after inflation.

160.077/14/0 Model D-4T, Adult X-Large belt style, recreational hybrid inflatable Type V PFD, with performance equivalent to a Type III PFD after inflation.

Stearns Manufacturing Company, 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302

160.077/2/0 Models 1101 and 1102, Adult Small, recreational hybrid inflatable Type V PFD, with performance equivalent to a Type II PFD after inflation. REQUIRED TO BE WORN (See 46 CFR 160.077-5).

160.077/3/0 Models 1101 and 1102, Adult Medium, recreational hybrid inflatable Type V PFD, with performance equivalent to a Type II PFD after inflation. REQUIRED TO BE WORN (See 46 CFR 160.077-5).

160.077/4/0 Models 1101 and 1102, Adult Large, recreational hybrid inflatable Type V PFD, with performance equivalent to a Type II PFD after inflation. REQUIRED TO BE WORN (See 46 CFR 160.077-5).

160.077/5/0 Models 1101 and 1102, Adult X-Large recreational hybrid inflatable Type V PFD, with performance equivalent to a Type II PFD after inflation. REQUIRED TO BE WORN (See 46 CFR 160.077-5).

160.077/6/0 Models 1101 and 1102, Adult XX-Large, recreational hybrid inflatable Type V PFD, with performance equivalent to a Type II PFD after inflation. REQUIRED TO BE WORN (See 46 CFR 160.077-5).

LIFESAVING EQUIPMENT

160.115 WINCHES, LIFEBOAT (SOLAS)

Winches approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any winch approved under this series may be used in place of a winch required to be approved under 160.015.

Approvals do not include approval of electrical components.

Davit International GmbH, Berliner Strasse 73-75, Postfach 1566, W-2838 Sulingen, Federal Republic Of Germany

160.115/20/0 Type 12.17.03 lifeboat winch; maximum safe working load 5,635 kg (12,400 lb) at the drums using two-part falls.

160.115/21/0 Type 18.18.02 life/rescue boat winch; maximum safe working load 6,000 kg (13,200 lb) at the drums using two-part falls.

160.115/22/0 Type 04.17 series single-drum rescue boat winch; maximum safe working load 1330 kg at the drum.

Schat-Davit Company GmbH, P.O. Box 60 24 69, Jarrestr. 42, 2000 Hamburg 60, Federal Republic of Germany

160.115/6/0 Type BE 6.0 IMO i/d lifeboat winch; mechanical components only, maximum working load 6,118 kg (13,490 lb) pull at the drums (6,745 lb per fall).

160.115/17/0 Type BE4500/981 lifeboat or combined life-and rescue boat winch; maximum safe working load 4500 kg at the drums using two-part falls.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759

160.115/4/0 Type BE 6.0 IMO Lifeboat-rescue boat winch, maximum working load of 13,200 lb. pull at the drums (6,500 lb. per fall);

160.115/5/1 Types BE 11500, BE 11500 MK I, and BE 12500 lifeboat winches; maximum working loads 11,500 and 12,500 kg pull at the drums, respectively.

160.115/10/1 Type BE 4.0 rescue boat winch; maximum working load 7,800 lb on a single drum.

160.115/11/0 Types BE6000, BE7800, and BE9300 lifeboat winches; maximum working loads of 6,000 kg, 7,800 kg, and 9,300 kg pull at the drums, respectively.

160.115/18/0 Type BE 3000 rescue boat winch. Maximum safe working load 3000 kg on a single drum.

Nameplates on units manufactured by Schat-Davit Co. may list Schat-Davit Co. as manufacturer in lieu of Schat-Watercraft.

Schat Watercraft Ltd., 60b High Street, Harpenden, Herts AL5 2FP, United Kingdom

160.115/7/0 Type B.E 4.5 IMO lifeboat winch: maximum working load 4,590 kg (10,100 lb) pull at the drums (2,295 kg or 5,050 lb per fall).

160.115/15/0 Type BHY/5300 rescue boat winch for use with hydraulic hoisting motor; maximum safe working load 5300 kg pull at the drums.

160.115/19/0 Schat type FME 3.4 rescue boat winch; approved for a maximum working load of 1638 kg on a single-part fall.

160.115/23/0 Type BE4500RB rescue boat winch; maximum safe working load 4500 kg at the drums.

Survival Systems International, 34140 Valley Center Road, P.O. Box 1855, Valley Center, CA 92082

160.115/1/0 Model W2800 high-speed launching winch for survival capsule; maximum working load 15,000 lb on a single-part fall.

160.115/2/0 Model W1402 high-speed survival capsule launching winch; maximum working load 11,000 lb on a single-part fall.

160.115/3/1 Model W5000 high-speed survival capsule launching winch; maximum working load 20,000 lb on a single-part fall.

Vestdavit A/S, C. Sundtsgt. 37, N-5004 Bergen, Norway

160.115/25/0 Vestvinsj C-194-1 hydraulic rescue boat winch; approved for a maximum working load of 1500 kg on a single-part fall.

160.117 DISEMBARKATION LADDERS

Ladders approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any ladder approved under this series may be used in place of a chain ladder required to be approved under 160.017.

See 160.017.

EQUIPMENT LISTS

160.118 LIFE RAFTS, RIGID (SOLAS)

Life rafts approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention.

No approvals at present.

160.121 SIGNALS, DISTRESS, HAND RED FLARE (SOLAS)

Signals approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any signal approved under this series may be used in place of a signal required to be approved under 160.021.

Comet GmbH, Postfach 10-02-67, D-2850 Bremerhaven 1, Federal Republic of Germany
160.121/5/0 Article No. 1328; Handflare, Red; 15,000 candela.

Norabel AB, P.O. Box 93, S-427 00 Billdal, Sweden
160.121/2/0 Ploar MK 2 hand held red flare, 15,000 candela, 60 second burn time.

Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom
160.121/3/0 Pains-Wessex Pinpoint Mk 6 Hand flare, 15,000 candela, 60 second burning time.
160.121/4/0 Schermuly Pinpoint Mk 6 Handflare - 15,000 candela, 60 second burning time.

160.122 SIGNALS, DISTRESS, FLOATING ORANGE SMOKE

Signals approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any signal approved under this series may be used in place of a signal required to be approved under 160.022.

Comet GmbH, Postfach 10-02-67, D-2850 Bremerhaven 1, Federal Republic of Germany
160.122/4/0 Article No. 1320, 4 minute burn time.

Norabel AB, P.O. Box 93, S-427 00 Billdal, Sweden
160.122/2/0 Floating Orange Smoke Distress Signal, 4 minute burn time.

Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom
160.122/3/0 Pains-Wessex Schermuly Lifesmoke MK 3 and Kilgore Floating Orange Smoke, 3 minute burn time.
160.122/4/0 Lifesmoke MK 4 Floating Orange Smoke, 4 minute burn time.

160.132 DAVITS, LIFEBOAT (SOLAS)

Davits approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any davit approved under this series may be used in place of a davit required to be approved under 160.032.

Davit International GmbH, Berliner Strasse 73-75, Postfach 1566, W-2838 Sulingen, Federal Republic Of Germany
160.132/20/0 Type D-NP.70 gravity pivot life/rescue boat davit; maximum safe working load 7,150 kg in ratio 2,770 kg forward and 4,380 kg aft.
160.132/21/0 Type D-BR.12 single-arm cantilever rescue boat davit, with MSU.45.02 stored mechanical power unit; max. working load 1225 kg on a single-part fall.

Davit International Inc., 6311 Breen Road, Houston, TX 77086
160.132/24/0 Type CD-2700-SP "CORD" fixed cantilever rescue boat launching davit; maximum safe working load 2700 lb (1225 kg) on a single-part fall.

Schat-Davit Company GmbH, P.O. Box 60 24 69, Jarrestr. 42, 2000 Hamburg 60, Federal Republic of Germany
160.132/3/0 Type SPG (L) IMO 6560/3870/D gravity pivot davit; maximum load 6,700 kg (14,740 lb) per set (3,350 kg (7,370 lb) per arm) using two-part falls.

Schat Watercraft, Ltd., 60B High Street, Herpenden, Herts AL5 2FP, United Kingdom
160.132/11/0 Type SPG (H) 8.5M/3850 gravity pivot davit. Maximum working load 8900 kg in ratio 4700 kg aft, 4200 kg forward.
160.132/12/0 Type SPG (H) 9.4M/4700 gravity pivot davit. Maximum working load 12500 kg in ratio 6745 kg aft, 5755 kg forward.

LIFESAVING EQUIPMENT

- 160.132/13/0 Type MRT/3900 "Miranda" triple point gravity davit with rescue boat launching cradle; maximum working load 4800 kg using single-part falls.
- 160.132/16/0 Type ORD/DM/8500/7.5M or ORD/DM/9500/8.5M outrigger davit; maximum safe working load 10,000 kg using single-part falls.
- 160.132/19/0 Schat type SPR 12.0 stored mechanical power rescue boat davit; approved for a maximum working load of 1223 kg on a single-part fall.
- 160.132/22/0 Type SAP 3000/3750 single-arm gravity pivot rescue boat davit; maximum safe working load 2000 kg.
- 160.132/23/0 Type SPG(VL) 7.5/13.5 gravity pivot davit with spring assist. Maximum safe working load 7950 kg in ratio 4200 kg aft and 3750 kg forward.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759

- 160.132/1/1 Type SPG (L) IMO 6000/3300 single-pivot gravity davit; maximum working load 13,860 lb per set (6,930 lb per arm).
- 160.132/2/0 Type SPG (VL)-29/16 single-pivot gravity davit; maximum working load 29,000 lb per set (14,500 lb per arm) using 2 part falls.
- 160.132/4/0 Type SPG(VL)-27/15 gravity pivot davit; maximum working load 27,000 lb per set (13,500 lb per arm) using two part falls.
- 160.132/7/0 Type ORD/DM 6.5 Mk V outrigger-gravity davit; maximum working load 13,670 lb per set (6,835 lb per arm) using 1 part falls.
- 160.132/8/0 Type MRD/6200-IMC 83 "Miranda" single-arm gravity davit with launching cradle for a rescue boat; maximum working load 6,200 lb.
- 160.132/15/0 Type SPG(VL) 9.4M/4700 gravity pivot davit for arctic applications. Maximum working load 28,000 lb evenly distributed fore and aft.
- 160.132/17/0 Type SA/ORD/3000/R6 outrigger gravity rescue boat davit. Maximum safe working load 3000 kg on a single part fall.
- 160.132/18/0 Type SA/ORD/3000/R6-R5 outrigger gravity rescue boat davit. Maximum safe working load 3000 kg on single part fall.
- 160.132/25/0 Type ORD/UDM/8500/7.5 fixed davit for under-deck mounting; maximum safe working load 10,000 kg using single-part falls.
- 160.132/26/0 Type SPG(L) 9600/4870 gravity pivot davit with spring assist; maximum safe working load 10,000 kg (5,000 kg per arm).
- 160.132/29/0 Type ORD/12500/9.4 outrigger gravity davit; maximum working load 12500 kg in ratio 6400 kg aft, 6100 kg forward, using single-part falls.

Vestdavit A/S, C. Sundtsgt. 37, N-5004 Bergen, Norway

- 160.132/27/0 Vestdavit PL-1500 hydraulic luffing rescue boat davit; approved for a maximum working load of 1500 kg on a single-part fall.

160.133 RELEASE MECHANISM, LIFEBOAT (SOLAS)

Release mechanisms approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any release mechanism approved under this series may be used in place of a disengaging apparatus required to be approved under 160.033.

Fr. Fassmer GmbH & Co., Berne 2, D-2876 Motzen-Weser, Federal Republic of Germany

- 160.133/10/0 4.3 Tonne on-load mechanical disengaging apparatus, safe working load 4300 kg (9477 lb) per hook.

Harding Safety A/S, N-5470 Rosendal, Norway

- 160.133/5/0 Type H-80M, Group I, mechanical disengaging apparatus for lifeboats. Maximum rated load 6,678 kg (14,692 lb) per hook.
- 160.133/14/0 Type H-80 HS, Group I, Release mechanism for lifeboats, hydraulically operated. Maximum rated load 6,678 kg (14,692 lb) per hook.

Offshore A/S, Vikaveien 29, 4817 HIS Arendal, Norway

- 160.133/1/1 "TOR" type, on-load release gear, approved for maximum working load of 3360 kg (7405 lb.) per hook.
- 160.133/2/1 "TOR" type, on-load release gear, approved for a maximum working load of 5000 kg (11020 lb.) per hook.

160.133/3/1 "TOR" type, on-load release gear, approved for a maximum working load of 8000 kg (17632 lb.) per hook.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759

160.133/11/0 Titan Release Gear, approved for maximum working load of 15,500 lb per hook.

160.133/12/1 Titan Release Gear. Maximum working load of 8000 lb per hook.

William Mills (Marine) Ltd., 192 Bridge Street West, Birmingham B19 2YT, United Kingdom

160.133/6/0 Titan on-load release gear, approved for a maximum working load of 3000 kg (6612 lb) per hook.

160.133/7/0 Titan on-load release gear, approved for a maximum working load of 5000 kg (11,020 lb) per hook.

160.133/8/0 Titan on-load release gear, approved for a maximum working load of 6000 kg (13,224 lb) per hook.

160.135 LIFEBOATS (SOLAS)

Lifeboats approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any lifeboat approved under this series may be used in place of a lifeboat required to be approved under 160.035.

Fr. Fassmer GmbH & Co., Berne 2, D-2876 Motzen-Weser, Federal Republic of Germany

160.135/9/1 7.4 m (24.2 ft) x 2.65 m (8.7 ft) x 1.19 m (3.9 ft), fiberglass reinforced plastic, enclosed lifeboat/rescue boat, capacity 38 persons.

Harding Safety A/S, N-5470 Rosendal, Norway

160.135/3/0 MCBO 34, 9.98m x 3.3m, x 1.38m, FRP, totally enclosed, fire-protected lifeboat, 76 persons capacity.

IHI Craft Co., Ltd., 1, Shin-Nakahara-Cho, Isogo-Ku, Yokohama 235, Japan

160.135/1/0 Model GTC-70-C, 7.00 m (22.97 ft) x 2.60 m (14.22 ft) x 1.15 m (3.77 ft), fibrous glass reinforced plastic totally enclosed motor lifeboat, 26 persons.

Norsafe A/S, PO Box 115, N-4818 Faervik, Norway

160.135/21/0 6.7m "MINA" GRP Totally Enclosed Lifeboat. 32 person. Fire protected with self-contained air supply and water sprinkler system.

160.135/32/0 6.7m "MINA" GRP Totally Enclosed Lifeboat. 32 person. Dry Cargo Version. Permanent ballast added to bring weight to the fire protected version.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759

160.135/8/0 9.4 m (30.8 ft.) x 3.5 m (11.5 ft.) x 2.9 m (9.6 ft.), Mk IV, fibrous glass reinforced plastic (FRP), motor propelled lifeboat; 80 person capacity

160.135/11/0 9.4m, Mk IV(S), 76 Person, with air and spray (fire protected), totally enclosed, GRP, with Thornycroft 152 engine (55 bhp @ 3000 rpm). Complies with SOLAS 74/83, Chapter III, Reg 46.

160.135/12/0 6.5 m x 2.25 m x 2.275 m, Mk V fibrous glass reinforced plastic, totally enclosed, fire protected lifeboat/rescue boat, 32-person capacity.

160.135/14/0 9.4m, Mk IV(S), 76 Person, without air and spray, totally enclosed, GRP, with Thornycroft 152 engine (55 bhp @ 3000 rpm). Complies with SOLAS 74/83, Chapter III, Reg 44.

160.135/15/0 6.5 m x 2.25 m x 2.275 m, Mk V fibrous glass reinforced plastic, totally enclosed lifeboat/rescue boat, 32-person capacity.

160.135/20/0 8.5m, Mk V, 62 Person, without air or spray, totally enclosed, GRP, with Volvo 2003T engine.

160.135/23/0 7.5m, Mk IV, 50 person, totally enclosed, GRP, Volvo 2003T engine, with air and water spray (fire protected). Weights: Condition "A" = 3918 Kg (8620 lb), Condition "B" = 8256 Kg (18165 lb).

160.135/29/0 8.5m, Mk V, 62 Person, with air and spray (fire protected), totally enclosed, GRP, with Volvo 2003T engine. Complies with SOLAS 74/83, Chapter III, Reg 46.

160.135/30/0 7.5m, Mk IV, 50 person, totally enclosed, GRP, Volvo 2003T engine, without air or water spray (non-fire protected). Weights: Condition "A" = 3426 Kg (7538 lb), Condition "B" = 7765 Kg (17083 lb).

Schat Watercraft Ltd., Mumby Road, Gosport, Hampshire, United Kingdom PO12 1AE

160.135/2/1 9.4 m, Mk IV, 80 person, without air and spray, totally enclosed, FRP, with ARS/FSD 425 diesel engine (previously Thornycroft 152).

160.135/5/0 9.4m, Mk IV(S), 76 Person, with air and spray (fire protected), totally enclosed, GRP, with Thornycroft 152 engine (55 bhp @ 3000 rpm). Complies with SOLAS 74/83, Chapter III, Reg 46.

160.135/6/0 6.5 m x 2.25 m x 2.275 m, Mk V fibrous glass reinforced plastic, totally enclosed, fire protected lifeboat/rescue boat, 32-person capacity.

LIFESAVING EQUIPMENT

160.135/10/0 9.4m, Mk IV(S), 76 Person, without air and spray, totally enclosed, GRP, with Thornycroft 152 engine (55 bhp @ 3000 rpm).

160.135/16/0 6.5 m x 2.25 m x 2.275 m, Mk V fibrous glass reinforced plastic, totally enclosed lifeboat/rescue boat, 32-person capacity.

160.135/19/1 8.5m, Mk V, 62 Person, without air or spray, totally enclosed, GRP, with Volvo 2003T engine. Complies with SOLAS 74/83, Chapter III, Reg 44. Weights: Condition "A" = 3283 Kg, Condition "B" = 8925 Kg.

160.135/24/0 7.5m, Mk IV, 50 person, totally enclosed, GRP, Volvo 2003T engine, with air and water spray (fire protected). Weights: Condition "A" = 3918 Kg (8620 lb), Condition "B" = 8256 Kg (18165 lb).

160.135/27/1 8.5m, Mk V, 62 Person, with air and spray (fire protected), totally enclosed, GRP, with Volvo 2003T engine. Complies with SOLAS 74/83, Chapter III, Reg 46.

160.135/31/0 7.5m, Mk IV, 50 person, totally enclosed, GRP, Volvo 2003T engine, without air or water spray (non-fire protected). Weights: Condition "A" = 3426 Kg (7538 lb) Condition "B" = 7765 Kg (17083 lb).

Survival Systems International, 34140 Valley Center Road, P.O. Box 1855, Valley Center, CA 92082

160.135/17/1 Model CA 5400, 6 m x 4.25 m x 1.55 m GRP, 50 person, totally enclosed, meets SOLAS 74/83, Regulation III/44. Optional H2S System. Weights: Condition "A" = 3,975 kg (8,744 lb), Condition "B" = 8,273 kg (18,200 lb).

160.135/18/1 Model CA 3600, 19' x 12' x 4.54' GRP, 36 person, totally enclosed, meets SOLAS 74/83, Regulation III/44. Optional H2S System. Weight: Condition "A" = 7,769 pounds, Condition "B" = 14,794 pounds.

160.136 SIGNALS, DISTRESS, HAND-HELD ROCKET-PROPELLED PARACHUTE RED FLARE (SOLAS)

Signals approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any signal approved under this series may be used in place of a signal required to be approved under 160.036.

Comet GmbH, Postfach 10-02-67, D-2850 Bremerhaven 1, Federal Republic of Germany
160.136/5/0 Article No. 1232, 40,000 candela.

Norabel AB, P.O. Box 93, S-427 00 Billdal, Sweden

160.136/2/0 IKORAS Original Hand-Held Rocket-Propelled Red Flare Distress Signal, 40,000 candela, 40 second burn time, 300 meter altitude.

Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom

160.136/3/0 Pains-Wessex Parachute Red Mk 3, 30,000 candela, 40 second burn time, 300 m altitude.

160.136/4/0 Schermuly Parachute Red Mk 3, 30,000 candela, 40 second burn time, 300 m altitude.

160.150 LIFE RING BUOYS (SOLAS)

Life ring buoys approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any life ring buoy approved under this series may be used in place of a life ring buoy required to be approved under 160.050, or any other Type IV PFD.

Cal-June, Inc., P.O. Box 9551, North Hollywood, CA 91609-1551

160.150/3/0 Model SO-30, 30-inch, "Throwable device" Type IV PFD.

160.150/4/0 Model SOH 30, 30-inch, "Throwable device" Type IV PFD.

160.150/6/0 Model JBS0-30, 30-inch, "RING BUOY", Type IV PFD.

160.150/7/0 Model JBSOH-30, 30-inch, "RING BUOY", Type IV PFD.

Datrex, Inc., P.O. Box 1150, Kinder, LA 70648

160.150/2/0 Model DX0325D, 75 cm (30-inch), "THROWABLE DEVICE", Nonstandard Type IV PFD. Meets SOLAS 74/83.

160.150/5/0 Model DX0340D, 75 cm (30 inch), "THROWABLE DEVICE", Nonstandard Type IV PFD. Meets SOLAS 74/83. Meets SOLAS 4 kg weight requirements for use with quick release lights and smoke signals.

Rotech International Industries Inc., 115 Saramia Crescent, Concord, Ontario, Canada L4K 3Z8

160.150/1/0 Model LRC-30, 75 cm (30-inch) "RING BUOY", Type IV PFD.

160.151 INFLATABLE LIFE RAFTS (SOLAS)

Life rafts approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any life raft approved under this series may be used in place of a life raft required to be approved under 160.051.

Dunlop-Beaufort Canada Ltd., 12351 Bridgeport Rd., Richmond, British Columbia, Canada V6V 1J4
160.151/76/0 Type 6 RBS 6-person capacity inflatable liferaft, with SOLAS "A Pack" or SOLAS "B Pack" equipment.

Givens Ocean Survival Systems, Company, Inc., 35 Lagoon Road, Portsmouth, RI 02871
160.151/61/0 6-person inflatable liferaft with Givens Buoy stability system, with SOLAS "A" or "B" pack equipment.
160.151/62/0 8-person inflatable liferaft with Givens Buoy stability system, with SOLAS "A" or "B" pack equipment.
160.151/65/0 20-person inflatable liferaft with Givens Buoy stability system, with SOLAS "A" or "B" pack equipment.

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, NY 10001
160.151/28/0 6-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
160.151/29/0 8-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
160.151/30/0 10-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
160.151/31/0 12-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
160.151/32/0 15-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
160.151/33/0 20-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
160.151/34/0 25-person inflatable liferaft (modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
160.151/38/0 6-person inflatable hexagonal liferaft (revised modular series), with SOLAS "A" Pack or SOLAS "B" Pack equipment, complying with SOLAS 74/83. Raft mfg. by SMR Technologies for Revere Survival Products, Inc., and packed in a Revere cylindrical container.
160.151/A50/0 Type "SURVIVA" 6, 6-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
160.151/A51/0 Type "SURVIVA" 8, 8-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
160.151/A52/0 Type "SURVIVA" 10, 10-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
160.151/A53/0 Type "SURVIVA" 12, 12-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
160.151/A54/0 Type "SURVIVA" 16, 16-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
160.151/A55/0 Type "SURVIVA" 20, 20-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
160.151/A56/0 Type "SURVIVA" 12DL, 12-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
160.151/A57/0 Type "SURVIVA" 16DL, 16-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
160.151/A58/0 Type "SURVIVA" 20DL, 20-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.
160.151/A59/0 Type "SURVIVA" 25, 25-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.

LIFESAVING EQUIPMENT

160.151/A60/0 Type "SURVIVA" 25DL, 25-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment. Mfg. by RFD Ltd. in Northern Ireland.

RFD Limited, RFD House, 11/13 Ockford Road, Godalming, Surrey, United Kingdom GU7 1OU

160.151/50/0 Type "SURVIVA" 6, 6-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.

160.151/51/0 Type "SURVIVA" 8, 8-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.

160.151/52/0 Type "SURVIVA" 10, 10-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.

160.151/53/0 Type "SURVIVA" 12, 12-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.

160.151/54/0 Type "SURVIVA" 16, 16-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.

160.151/55/0 Type "SURVIVA" 20, 20-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.

160.151/56/0 Type "SURVIVA" 12DL, 12-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.

160.151/57/0 Type "SURVIVA" 16DL, 16-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.

160.151/58/0 Type "SURVIVA" 20DL, 20-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.

160.151/59/0 Type "Surviva" 25, 25-person inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.

160.151/60/0 Type "SURVIVA" 25DL, 25-person davit-launched inflatable liferaft with conventional water pockets, with SOLAS A Pack or SOLAS B Pack equipment.

160.151/75/0 Type "SURVIVA" 50, 50-person inflatable liferaft with conventional water pockets, equipped with SOLAS B Pack equipment. Two units may be packed in a single large container and designated "SURVIVA 100."

SMR Technologies, Inc. (formerly B.F. Goodrich), P.O. Box 326, 1420 Wolf Creek Trail, Sharon Center, OH 44274-0326

160.151/13/1 6-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.151/14/1 8-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.151/15/1 10-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.151/16/1 12-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.151/17/1 15-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.151/18/1 20-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.151/19/1 25-person inflatable liferaft (modular series), with SOLAS A PACK or SOLAS B PACK equipment.

160.151/37/0 6-person inflatable liferaft (revised modular series), SOLAS A Pack or B Pack equipment.

160.151/49/0 Six-person "Crewsaver" modular inflatable liferaft with SOLAS "B" Pack equipment, packed in a rectangular low-profile container.

160.151/77/0 20-person "Crewsaver" modular davit-launched inflatable liferaft with SOLAS "A" Pack equipment.

160.151/78/0 25-person "Crewsaver" modular davit-launched inflatable liferaft with SOLAS "A" Pack equipment.

Switlik Parachute Co., Inc., 1325 East State St., P.O. Box 1328, Trenton, NJ 08607

160.151/39/0 Six-person inflatable liferaft with conventional water pockets with "SOLAS A Pack" or "SOLAS B Pack" equipment, complying with SOLAS 74/83.

160.151/40/0 Six-person inflatable liferaft with toroidal stability device with "SOLAS A Pack" or "SOLAS B Pack" equipment, complying with SOLAS 74/83.

160.151/41/0 Eight-person inflatable liferaft with conventional water pockets with "SOLAS A Pack" or "SOLAS B Pack" equipment, complying with SOLAS 74/83.

160.151/42/0 Eight-person inflatable liferaft with toroidal stability device with "SOLAS A Pack" or "SOLAS B Pack" equipment, complying with SOLAS 74/83.

160.151/43/0 Ten-person inflatable liferaft with conventional water pockets with "SOLAS A Pack" or "SOLAS B Pack" equipment, complying with SOLAS 74/83.

160.151/44/0 Ten-person inflatable liferaft with toroidal stability device with "SOLAS A Pack" or SOLAS B Pack" equipment, complying with SOLAS 74/83.

EQUIPMENT LISTS

160.151/45/0 Fifteen-person inflatable liferaft with conventional water pockets with "SOLAS A Pack" or "SOLAS B Pack" equipment, complying with SOLAS 74/83.
 160.151/46/0 Twenty-person inflatable liferaft with conventional water pockets with "SOLAS A Pack" or "SOLAS B Pack" equipment, complying with SOLAS 74/83.
 160.151/47/0 Twenty-five-person inflatable liferaft with conventional water pockets with "SOLAS A Pack" equipment for ocean service, complying with SOLAS 74/83.
 160.151/48/0 Twenty-five-person inflatable liferaft with conventional water pockets with "SOLAS B Pack" equipment for limited service, complying with SOLAS 74/83.

Viking Life-Saving Equipment A/S, P.O. Box 3060, 6710 Esbjerg V, Denmark
 (U.S. agent: Viking Life-Saving Equipment (America), 1625 N. Miami Ave., Miami, FL 33136)

160.151/2/0 6-person inflatable liferaft, Viking Type 6 DK, with SOLAS A PACK or SOLAS B PACK equipment.
 160.151/3/0 8-person inflatable liferaft, Viking Type 8 DK, with SOLAS A PACK or SOLAS B PACK equipment.
 160.151/4/0 10-person inflatable liferaft, Viking Type 10 DK, with SOLAS A PACK or SOLAS B PACK equipment.
 160.151/5/1 12-person inflatable liferaft, Viking Type 12 DK, with SOLAS A PACK or SOLAS B PACK equipment.
 160.151/6/0 16-person inflatable liferaft, Viking Type 16 DK, with SOLAS A PACK or SOLAS B PACK equipment.
 160.151/7/0 20-person inflatable liferaft, Viking Type 20 DK, with SOLAS A PACK or SOLAS B PACK equipment.
 160.151/8/0 25-person inflatable liferaft, Viking Type 25 DK, with SOLAS A PACK or SOLAS B PACK equipment.
 160.151/9/1 12-person inflatable liferaft (davit-launched), Viking Type 12 DKF, with SOLAS A PACK or SOLAS B PACK equipment.
 160.151/10/0 16-person inflatable liferaft (davit-launched), Viking Type 16 DKF, with SOLAS A PACK or SOLAS B PACK equipment.
 160.151/11/0 20-person inflatable liferaft (davit-launched), Viking Type 20 DKF, with SOLAS A PACK or SOLAS B PACK equipment.
 160.151/12/0 25-person inflatable liferaft (davit-launched), Viking Type 25 DKF, with SOLAS A PACK or SOLAS B PACK equipment.
 160.151/35/0 Viking Type 50 DK, 50-person capacity drop launched inflatable liferaft with SOLAS B pack equipment.
 160.151/36/0 Viking Type 35 DKF, 35-person capacity davit-launched inflatable liferaft with SOLAS A PACK or SOLAS B Pack equipment.

Zodiac International, Division Marine, 58, Boulevard Gallieni, 92137 Issy-les-Moulineaux, France
 (U.S. agent: Zodiac North America, Thomson Creek Rd., P.O. Box 400, Stevensville, MD 21666)

160.151/67/0 Zodiac 6-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.
 160.151/68/0 Zodiac 8-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.
 160.151/69/0 Zodiac 10-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.
 160.151/70/0 Zodiac 12-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.
 160.151/71/0 Zodiac 16-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.
 160.151/72/0 Zodiac 20-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.
 160.151/73/0 Zodiac 25-person inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.
 160.151/74/0 Zodiac 25-person davit launched inflatable liferaft with SOLAS "A" or SOLAS "B" Pack equipment, complying with SOLAS 74/83.

LIFESAVING EQUIPMENT

160.155 LIFEJACKETS (SOLAS)

Lifejackets approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any lifejacket approved under this series may be used in place of a life preserver required to be approved under 160.055, or any other Type I PFD.

Cal-June Corporation, PO Box 9551, North Hollywood, CA 91614

160.155/1/0 Model SO-1, Adult (over 60 lb/52 in.), "Off-Shore Lifejacket", Type I PFD.

160.155/2/0 Model SO-2, Child (less than 60 lb/52 in.), "Off-Shore Lifejacket", Type IPFD.

Datrex, Inc., P.O. Box 1150, Kinder, LA 70648

160.155/B4/0 Model LP-10-A, Adult, "OFF-SHORE LIFEJACKET", Type I PFD.

160.155/B5/0 Model LP-10-C, Child, "OFF-SHORE LIFEJACKET", Type I PFD.

Kent Sporting Goods Co., 433 Park Avenue S, State Route 60, New London, OH 44851

160.155/9/0 Model RL, Extended Size (persons over 120 cm/20 kg), "OFF-SHORE LIFEJACKET", Type I PFD.

Rotech International Industries Inc., 115 Saramia Crescent, Concord, Ontario, Canada L4K 3Z8

160.155/A4/0 Model LP-10-A, Adult (over 57 in./75 lbs.), "OFF-SHORE LIFEJACKET", Type I PFD.

160.155/A5/0 Model LP-10-C Child (less than 90 lbs.), "OFF-SHORE LIFEJACKET", Type I PFD.

The Safeguard Corp., PO Box 2004, Covington, KY 41012

160.155/6/0 Model S225RT, Adult (over 59 in./90 lb.), "OFF-SHORE LIFEJACKET", Type I PFD.

160.155/7/0 Model S226RT, Child (under 59 in./90 lb.), "OFF-SHORE LIFEJACKET", Type I PFD.

Stearns Manufacturing Company, 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302

160.155/3/0 Model ILJ-110, Adult Universal, "OFF-SHORE LIFEJACKET", Type I PFD.

160.155/8/0 Model ILJ-111, Child (under 59 in./90 lb.), "OFF-SHORE LIFEJACKET", Type I PFD.

Taylor-tec, Inc., 16152 E. Club Deluxe Rd., Hammond, LA 70403

160.155/4/0 Model LP-10-A, Adult, unicellular polyethylene foam "OFF-SHORE LIFEJACKET", Type I PFD, for persons over 75 lb (34 kg) or over 57" (145 cm) tall.

160.155/5/0 Model LP-10-C, Child, unicellular polyethylene foam "OFF-SHORE LIFEJACKET", Type I PFD, for persons less than 90 lb, or less than 59" tall.

160.156 RESCUE BOATS

Rescue boats approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention.

Fr. Fassmer GmbH & Co., Berne 2, D-2876 Motzen-Weser, Federal Republic of Germany

160.156/2/1 7.4 m (24.2 ft) x 2.65 m (8.7 ft) x 1.19 m (3.9 ft), fiberglass reinforced plastic, totally enclosed lifeboat/rescue boat, 38 persons.

IHI Craft Co., Ltd., 1, Shin-Nakahara-Cho, Isogo-Ku, 235 Yokohama, Japan

160.156/1/0 Model GTC-70-C 7 m (22.97 ft) x 2.6 m (14.2 ft) x 1.15 m (3.77 ft), fibrous glass reinforced plastic, totally encl. lifeboat/rescue boat, 26 persons.

Norsafe A/S, PO Box 115, N-4818 Faervik, Norway

160.156/20/0 5.8 m "Merlin" rescue boat. FRP hull with foam collar. OMC Johnson SE 100WT PLA outboard (74.6 Kw). 6 persons. Boat performance: 30 knots at 5000 rpm with a 4 hr fuel consumption of 192 ltrs.

160.156/21/0 7.5 m "Magnum" rescue boat. FRP hull with foam collar. Cummins 6BT5.9-M, 157 KW with Hamilton Waterjet. 15 persons. Boat performance: 25 knots at 2630 rpm with a 4 hr fuel consumption of 137 ltrs.

Offshore A/S, Vikaveien 29, 4817 HIS Arendal, Norway

160.156/9/0 6.7m "MINA" GRP Totally Enclosed Lifeboat/Rescue boat. 32 person. Fire protected with self-contained air supply and water sprinkler system. Must be marked: 160.156/9/0, 160.135/21, 160.035/545 and SOLAS 74/83.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759

160.156/5/0 Mk V, 6.5 m x 2.25 m x 2.275 m, fibrous glass reinforced plastic, totally enclosed, fire-protected lifeboat/rescue boat, 32 persons.

160.156/12/0 8.5m, Mk V, 62 Person, totally enclosed, GRP, with Volvo 2003T engine.

160.156/16/0 7.5m, Mk IV, 50 person, totally enclosed, GRP, Volvo 2003T engine.

160.156/18/0 R6 (6m length) rescue boat. 6 persons. Rigid hull with foam collar. Twin OMC Johnson 29.8 kw (40 HP) gasoline outboard motors. Production inspections and tests conducted by SGS Industrial Service, Houston, TX.

Schat Watercraft Ltd., Mumby Road, Gosport, Hampshire, United Kingdom PO12 1AE

160.156/4/0 Mk V, 6.5 m x 2.25 m x 2.275 m, fibrous glass reinforced plastic, totally enclosed, fire-protected lifeboat/rescue boat, 32 persons.

160.156/11/1 8.5m, Mk V, 62 Person, totally enclosed, GRP, with Volvo 2003T engine.

160.156/17/0 7.5m, Mk IV, 50 person, totally enclosed, GRP, Volvo 2003T engine.

Willard Marine, Inc., 1250 N. Grove Street, Anaheim, CA 92806

160.156/6/0 RIB 22.5', Rigid Inflatable Boat, 9 persons. Marking: 160.156/6/0 and SOLAS 74/83. Condition "A" = 4662 lb; Condition "B" = 6578 lb.

Zodiac Hurricane Technologies Inc, 110-5940 No. 2 Road, Richmond, British Columbia, Canada V7C 4R9

160.156/7/0 RIB-S 22.5', Rigid Inflatable boat. Marking: 160.156/7/0 and SOLAS 74/83; Condition "A" = 4375 lb; Condition "B" = 6248 lb. Production inspections and tests conducted by Northwest Laboratories, Inc., Seattle, WA.

160.156/8/0 15.5', Rigid Inflatable Boat (RIB). Model H472S, 6 persons. Marking: 160.156/8/0 and SOLAS 74/83. Condition "A" = 730 lb; Condition "B" 1830 lb.

SOLAS 74/83 Outboard Engines for Rescue Boats

All engines listed in this section must be equipped with an alternator and voltmeter to provide and indicate battery charge, a speed regulator to provide overspeed protection, an audio and visual warning for low oil level and engine overheat, and a means to set the throttle control at any position. Propellers must be equipped with a propeller guard. Portable fuel systems must meet UL Standard 1185 Portable Marine Fuel Tanks or equal, except that hoses, primers, and filters must comply with the requirements of USCG Type A flexible hose. Anti-siphon devices must be provided in the fuel system to prevent fuel spillage when the hose is disconnected. The fuel tank must be able to be secured to the boat. Permanently installed gasoline fuel systems must meet the requirements of 33 CFR 183. Subpart J - Fuel Systems. For gasoline engines, means must be provided to allow a 5 minute supply of cooling water to the installed engine when the boat is out of the water.

Outboard Marine Corporation, 200 Sea Horse Drive, Waukegan, IL 60085

Johnson-Evinrude gasoline Type HJ 14 RSLH, 2 cyl, 2 stroke, 216 cc, 10.4 Kw, 5500 rpm, manual start.

Johnson-Evinrude gasoline Type BJ 25 RSLD, 2 cyl, 2 stroke, 521 cc, 18.7 Kw, 4500 rpm, manual start.

Johnson-Evinrude gasoline Type BJ 45 RSLU, 2 cyl, 2 stroke, 737 cc, 33.6 Kw, 5000 rpm, electric and manual start.

Johnson-Evinrude gasoline Type SJ 65 RSLY, 2 cyl, 2 stroke, 918 cc, 44.7 Kw, 5000 rpm, electric and manual start.

Johnson-Evinrude gasoline Type SJ 100 WFLY, 4 cyl, 2 stroke, 1632 cc, 74.6 Kw, 5000 rpm, Electric start.

Must also have provisions for manual start or be equipped with two independent, rechargeable batteries.

Johnson-Evinrude gasoline Type J 30 BACED and E 30 BACED, 2 cyl, 2 stroke, 22 Kw, 5500 rpm, manual start.

Note: Since the type designations may change depending on the year of manufacture, and the country in which the engines are sold, the manufacturer must certify the parts and subassemblies used in the engines are the same as the original tested engine.

Mercury Marine, W6250 Pioneer Road, P.O. Box 1939, Fond Du Lac, WI 54936-1939

Mariner Model 8MA, gasoline, 2 cyl, 2 stroke, 210 cc, 6 Kw, 4500-5000 rpm, manual start.

Mariner Model 9.9MA, gasoline, 2 cyl, 2 stroke, 210 cc, 7.4 Kw, 5000-6000 rpm, manual start.

Mariner Model 20MA, gasoline, 2 cyl, 2 stroke, 400 cc, 14.9 Kw, 4500-5500 rpm, manual start.

Mariner Model 25A, gasoline, 2 cyl, 2 stroke, 400 cc, 18.7 Kw, 5000-6000 rpm, manual start.

Mariner Model 75, gasoline, 3 cyl, 2 stroke, 1165 cc, 55.9 Kw, 4750-5250 rpm, electric start. Must also have provisions for manual start or be equipped with two independent, rechargeable batteries.

LIFESAVING EQUIPMENT

Mariner Model 90, gasoline, 3 cyl, 2 stroke, 1165 cc, 67.1 Kw, 5000-5500 rpm, electric start. Must also have provisions for manual start or be equipped with two independent, rechargeable batteries.

Yanmar Marine Diesel, 901 Corporate Grove Drive, Buffalo Grove, IL 60089-4508
Fax: 708-541-2161

Yanmar D27, Diesel, 3 cyl, 4 cycle, 808 cc, 19.9 Kw (27 hp) @ 4500 rpm, manual start with electric option.
Yanmar D36, Diesel, 3 cyl, 4 cycle, 1109 cc, 26.5 Kw (36 hp) @ 4500 rpm, electric start with emergency manual start.

160.157 SIGNALS, DISTRESS, FLOATING ORANGE SMOKE (15 MINUTE) (SOLAS)

Signals approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any signal approved under this series may be used in place of a signal required to be approved under 160.057.

Comet GmbH, Postfach 10-02-67, D-2850 Bremerhaven 1, Federal Republic of Germany
160.157/4/0 Article No. 1217, 15 minute.

Norabel AB, P.O. Box 93, S-427 00 Billdal, Sweden
160.157/2/0 Floating Orange Smoke Distress Signal, 15 Minutes.

Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom
160.157/3/1 Pains-Wessex/Schermuly BuoySmoke, 15-minute smoke signal.

160.162 HYDROSTATIC RELEASE UNITS (SOLAS)

Release units approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any release unit approved under this series may be used in place of a device required to be approved under 160.062.

C. M. Hammar Handels AB, P.O. Box 197, 421 22 V. Frolunda, Goteborg, Sweden
160.162/3/2 Model H20R disposable hydrostatic release device, for installations of float-free lifesaving equipment for release at water depths of not more than 4 meters.
160.162/4/0 Model H20E disposable hydrostatic release device, with plastic bolt for float-free EPIRB installation, for release at water depths of not more than 4 meters.

Raftgo Hendry Manufacturing Co., 12-A Pamaron Way, Novato, CA 94947
160.162/1/0 Raftgo Model D hydraulic and manual release, for installations of lifesaving equipment producing buoyant loads of 200 to 3,750 lb.

Thanner & Co. A/S, Randersvej 10, P.O. Box 127, 6701 Esbjerg, Denmark
160.162/2/0 Thanner DK 84 hydrostatic release.

160.163 LAUNCHING DEVICE FOR INFLATABLE LIFE RAFTS (SOLAS)

Launching devices approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention.

Used with automatic disengaging devices listed under 160.170.

Alexander Manufacturing And Service Company, Inc., P.O. Box 51886, New Orleans, LA 70151
160.163/2/0 Type AMS-200 luffing-arm launching device with attached AMS-101 single-drum winch, maximum working load of 4,704 lb on a one-part fall. Maximum installation height 59 ft from davit head to waterline.
160.163/5/0 Model AIW-101 slewing davit liferaft launching device with attached single-drum winch. Maximum working load 4,704 lb on a one-part fall.
160.163/6/0 Type AIW-100 fixed-arm liferaft launching device with attached single-drum winch; approved for a maximum working load of 4,704 lb on a one-part fall.

Davit Company BV, P.O. Box 9032, 3506 Utrecht, Netherlands

160.163/3/0 Type D-RC.25 radial-arm launching davit with attached 04.02.02 single-drum winch, maximum working load 2100 kg (4630 lb) on one-part fall.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759

160.163/1/0 Type SRR/3.65/21 radial-arm launching device with attached 08-02 single drum winch, complying with SOLAS 74/83.

160.163/4/0 Type GR-47 pivot-arm launching device with attached 08-02 single drum winch, complying with SOLAS 74/83.

160.163/7/0 Type FR-50-DM approved for a maximum working load of 5,000 lb on a single-part fall. Outreach of arm sufficient for 25-person rafts. Complies with SOLAS 74/83. Equipment has dual approval; also approved under 160.063/13/1.

160.170 AUTOMATIC DISENGAGING DEVICES (SOLAS)

Disengaging devices approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Used with launching devices listed under 160.163 and "davit-launched" liferafts listed under 160.151.

Schat-Watercraft, Inc., 167 Bell Avenue, Oak Hill, FL 32759

160.170/1/0 Type ARH-50, maximum working load 5000 lb (2268 kg) on a single-part fall.

160.170/2/0 Type ARH/3-C-100, maximum working load 5070 lb (2300 kg) on a single-part fall.

160.170/7/0 Model ARH-65, maximum working load 6500 lb (2948 kg) on a single-part fall.

160.171 IMMERSION SUITS

Immersion suits approved under this series meet the 1983 Amendments to the Safety of Life at Sea Convention. Any immersion suit approved under this series may be used in place of an exposure suit required to be approved under 160.071.

Bayleysuit, Inc., 900 South Fortuna Blvd., Fortuna, CA 95540

160.171/5/0 Model 7-01-00, size "Adult Universal," insulated buoyant "Immersion Suit."

160.171/6/0 Model 7-01-07, size Oversize Adult, insulated buoyant immersion suit.

160.171/7/0 Model 7-01-04, size "Adult X-Small," insulated buoyant "Immersion Suit," for persons under 155 cm (61 in.) in height, weighing 36-50 kg (80-110 lb).

160.171/20/0 Model 7-01-03, size "Adult Medium," insulated buoyant "Immersion Suit."

160.171/26/0 Model 7-01-10, size "Toddler," insulated buoyant "Immersion Suit," for children 89-104 cm (35-41 in.) in height.

160.171/27/0 Model 7-01-13, size "Child Small," insulated buoyant "Immersion Suit," for children 105-119 cm (42-47 in.) in height.

160.171/28/0 Model 7-01-15, size "Child Medium," insulated buoyant "Immersion Suit," for children 120-135 cm (48-53 in.) in height.

160.171/29/0 Model 7-01-17, size "Child Large," insulated buoyant "Immersion Suit," for children 136-150 cm (54-59 in.) in height.

160.171/30/0 Model 7-01-02, size "Adult Small," insulated buoyant "Immersion Suit," for persons 155-168 cm (61-66 in.) in height, weighing 68-90 kg (100-150 lb).

Fitz-Wright Company Ltd., 5760 Production Way, Langley, British Columbia, Canada V3A 4N4

160.171/8/0 Model 9450, Adult Universal size, neoprene foam insulated buoyant "Immersion Suit." Approved only when auxiliary buoyancy unit is attached.

160.171/9/0 Model 9450, Adult Jumbo size, neoprene foam insulated buoyant "Immersion Suit." Approved only when auxiliary buoyancy unit is attached.

160.171/10/0 Model 9700, Adult Universal size, neoprene foam insulated buoyant "Immersion Suit." Approved only when auxiliary buoyancy unit is attached.

160.171/11/0 Model 9700, Adult Jumbo size, neoprene foam insulated buoyant "Immersion Suit." Approved only when auxiliary buoyancy unit is attached.

160.171/22/0 Model 9700 FWP, size Adult Small, insulated buoyant immersion suit.

Harvey's Skin Diving Supply, Inc., 2505 South 252nd St., Kent, WA 98031

160.171/12/0 Model NT2002, size Adult, insulated buoyant immersion suit with inflatable "life ring" auxiliary buoyancy unit.

160.171/13/0 Model NT2002J, size Jumbo (oversize adult), insulated buoyant immersion suit, with inflatable "life ring" auxiliary buoyancy unit.

LIFESAVING EQUIPMENT

160.171/14/0 Model NT2002C, size Child, insulated buoyant immersion suit, with inflatable "life ring" auxiliary buoyancy unit.

Mustang Engineered Technical Apparel Corp., 3810 Jacombs Road, Richmond, British Columbia, Canada V6V 1Y6

160.171/16/0 Model IS-2, size Adult, insulated buoyant "IMMERSION SUIT."

160.171/17/0 Model IS-2, size Oversize Adult, insulated buoyant "IMMERSION SUIT."

160.171/24/0 Model IS-3, size Adult, insulated buoyant immersion suit.

160.171/25/0 Model IS-3, size Jumbo, insulated buoyant immersion suit.

Parkway Fabricators, 241 Raritan Street, South Amboy, NJ 08879

160.171/2/0 Model 1409A/FR or 1409A, Adult Universal, insulated buoyant "IMMERSION SUIT."

160.171/3/0 Model 1409J/FR or 1409J, Adult Jumbo, insulated buoyant "IMMERSION SUIT."

160.171/4/0 Model 1409C Child/Small Adult, insulated buoyant "IMMERSION SUIT."

160.171/21/0 Model 1409-0, size Adult Intermediate (for persons weighing 110 to 180 pounds, and from 59" to 70" in height), insulated buoyant immersion suit.

Stearns Manufacturing Company, 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302

160.171/1/0 Model ISS-590i, size Adult Universal (for persons weighing 50-150 kg, and from 150-190 cm in height), insulated buoyant "IMMERSION SUIT."

160.171/18/0 Model ISS-590i, Child/Small Adult (for persons weighing 20-50 kg, and from 99 to 150 cm in height), insulated buoyant "IMMERSION SUIT."

160.171/19/1 Model ISS-590i, size Adult Oversize (for persons weighing 100 to 170 kg), insulated buoyant "IMMERSION SUIT."

Takashina Life Preservers Co., Ltd., 1-1-34 Kuboyoshi, Naniwa-Ku, Osaka 556, Japan

160.171/23/0 Model TK-001, size Adult Universal, insulated buoyant immersion suit.

160.174 THERMAL PROTECTIVE AIDS

Thermal protective aids approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention.

Ascon-Kemi AB, Blixtgatan 8, 424 35 Goteborg-Angered, Sweden

160.174/3/0 Type Ascotherm IMO 86 WA (MK IV USCG) Thermal Protective Aid.

Stearns Manufacturing Company, 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302

160.174/2/0 Model TPA-001 Thermal Protective Aid.

Viking A/S Nordisk Gummibaadsfabrik, P.O. Box 3060, 6710 Esbjerg V, Denmark

160.174/1/0 Model "Musk Ox Dessin 3700".

160.175 MARINE EVACUATION SYSTEMS

Marine evacuation systems approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention.

No approvals at present.

ELECTRICAL EQUIPMENT

161.002 FIRE PROTECTIVE SYSTEMS

Ansul Fire Protection, One Stanton Street, Marinette, WI 54143

161.002/12/0 Model ESDS-2, Audible and visual supervised photoelectric optical smoke detection system.

161.002/20/0 Model Multizone 6M noncoded local fire system control unit suitable for marine use.

Cerberus Pyrotronics, 8 Ridgedale Ave., Cedar Knolls, NJ 07927

161.002/17/3 Cerberus Pyrotronics System 3 Marine Fire Detection System.

161.002/22/2 MXL Marine Fire/Smoke Detection System including Control Panel and Detectors. Identifying Data: UL File No. S522, Cerberus Pyrotronics' "Coast Guard Typical MXL Connection Diagram".

Firelite Alarms/Notifier, Inc., 12 Clintonville Rd, Northford, CT 06472

161.002/23/0 Notifier Analog AFP-200 Marine Fire/Smoke Detecting System including control panel, detectors, annunciators, and accessories.

161.002/27/0 Notifier Models AM2020/AFP-1010 Marine Fire Detection and Alarm System.

G. S. Building Systems Corp., 6411 Parkland Dr., Sarasota, FL 34234

161.002/26/0 E.S.T. Model IRC-3 (Fire Control System) Fire/Smoke Detecting System.

Henschel Corp., 9 Hoyt Drive, P.O. Box 30, Newburyport, MA 01950

161.002/10/0 Combination manual fire alarm station and test station.

Kidde-Fenwal Inc., 400 Main Street, Ashland, MA 01721

161.002/13/0 Model KMSD, Marine Smoke Detector.

Kidde Fire Protection Limited, Belvue Rd, Northolt, Middx. UB5 5QW, United Kingdom

161.002/21/0 FIREHOLD Marine Smoke Detection System---monitors up to 18 cargo spaces and alarms when smoke density exceeds a predetermined level.

Wormald Electronics Division, Suite 390, 2025 Royal Lane, Dallas, TX 75229

161.002/19/0 Ansul and Wormald Marine Multizone 20M Detection System consisting of Control Unit, model #996200211, approved detectors and other accessories. Not to be installed where exposed to the weather.

161.004 LOUDSPEAKER SYSTEMS, EMERGENCY

No approvals at present.

161.005 TELEPHONE SYSTEMS, SOUND POWERED

Henschel Corp., 9 Hoyt Drive, P.O. Box 30, Newburyport, MA 01950

161.005/4/6 Sound-Powered telephone station relay for operations with hand generator, non-locking splashproof, dwg. 60-162-4 dated 23 February 1977.

161.005/5/6 Sound-Powered telephone station relay for operations with hand generator, locking, splashproof, dwg. 60-164-2 dated 23 February 1977.

161.005/29/3 Telephone station bell, vibrating, watertight, Types 3B, 6B, 8B, 3P, 6P, 8P, 3BH, and 8BH, dwg. no. 20-162-2, alt. 7.

161.005/37/5 Telephone station, dripproof, Types 2, 8, and 17.

161.005/38/2 Telephone station, Types 2, 8, and 17, dwg. no. 70-529-2, alt. 0.

161.005/62/1 Telephone station, dripproof, Types 1R and 2R.

161.005/70/0 Sound powered telephone, pedestal or bulkhead mounting, selective ringing, common talking, 17 stations, Types 178-P, 178-H-B and 178-H-P. Watertight.

161.005/71/0 Sound powered telephone, console mounted, Types 17, 17-1R and 17-2RL.

EQUIPMENT LISTS

161.005/72/0 Sound powered telephone, bulkhead mounted, Types 17, 17-1R, 17-2RL, 170, 170-1R, and 170-02RL. Drip proof.

161.005/104/0 Sound powered telephone sub-assembly, Types 1, 2, 3, 4, 5, 6, and 7.

161.005/105/0 Sound powered telephone, selective ringing—common talking 23 stations, 8" external bell.

161.005/106/0 Sound powered telephone, selective ringing—common talking, 23 stations – desk-type.

161.005/107/0 Sound powered telephone, bulkhead mounted; types 23, 23-IR, 23-2RL, 230, 230-IR, and 230-2RL.

161.005/109/0 Sound powered telephone, console mounted; types 23, 23-IR, and 23-2RL.

Hose-McCann Telephone Co., Inc., 524 West 23rd Street, Brooklyn, NY 10011

161.005/12/1 Telephone station, splashproof, type A, model WT-1.

161.005/51/0 Model SW telephone station, splashproof, dwg. no. 50, alt. 0.

161.005/52/0 Model SE telephone station, splashproof, dwg. no. 51, alt. 0.

161.005/88/0 Model MWT telephone station.

161.005/89/0 Model MWT-H telephone station.

161.005/90/0 Model MWT-P telephone station.

161.005/91/0 Model MWTP-H telephone station.

Sound Powered Telephone Mfg. Co., 6270 Dean Parkway, P.O. Box 495, Ontario, NY 14519

161.005/53/0 Model SER telephone station.

161.005/54/0 Model SD telephone station.

161.005/58/1 Telephone station identification panel, 2 circuit.

161.005/61/1 Telephone station, panel, single-circuit manual reset, splashproof, dwg. no. 28-01, alt 0.

161.005/66/1 Telephone station, Model SWLR, drip proof, dwg. no. 84-01, alt. 1.

161.005/67/1 Telephone station, Model SELR, drip proof, dwg. no. 8 5-01, alt. 1.

161.005/68/0 Telephone station, Model SF flush mounting; SFR flush mounting with relay; SFLR flush mounting with light and relay.

161.005/73/0 Type 13631 Handset.

161.005/74/0 Type 76 C.G.

161.005/75/0 Type F76 C.G.

161.005/76/0 Type 70 C.G.

161.005/77/0 Type 71 C.G.

161.005/78/0 Type 77 C.G.

161.005/79/0 Type P77 C.G.

161.005/80/0 Type 87 C.G.

161.005/81/0 Type 201 C.G.

161.005/82/0 Type 891 C.G.

161.005/83/0 Type 881 C.G.

161.005/84/0 Type PF76 C.G.

161.005/85/0 Type P70 C.G.

161.005/86/0 Type P71 C.G.

161.005/87/0 Type P76 C.G.

161.005/108/0 Type 991FM sound powered telephone relay, with intrinsically safe connections.

161.006 SEARCHLIGHT, MOTOR-LIFEBOAT

No approvals at present.

161.008 FLASHLIGHTS, ELECTRIC HAND

Flashlights are no longer approved under the 161.008 series, but must instead be constructed and marked in accordance with ASTM F1014-1986, Type I or Type III. Flashlights bearing a Coast Guard approval number in the 161.008 series may continue to be used in lifeboats and liferafts as long as they are in a serviceable condition.

ELECTRICAL EQUIPMENT

161.010 FLOATING ELECTRIC WATER LIGHT

Floating electric water lights approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention.

ACR Electronics, Inc., 5757 Ravenswood Road, P.O. Box 5247, Fort Lauderdale, FL 33310-5247

161.010/1/1 Chromalloy Model SM-1 Illumination Marker with mounting bracket.

161.010/6/1 ACR/SM-2(A) Self Igniting Lifebuoy Light.

161.010/14/0 Model SM-2(M) Floating Electric Water Light, Xenon flash tube, magnetic reed switch.

161.010/16/0 Model ACR/L-15A Floating Electric Water Light and Model ACR/L15A(1) Floating Electric Water Light.

Automatic Lite, Suite 405, 400 Gordon Drive, Lionville, PA 19353

161.010/3/2 Sav-U-Lite, Model WL001.

161.010/8/2 Automatic Lite, SAVE-U-LITE, Model WL003 Floating Electric Waterlight with mounting bracket.

161.010/13/0 Automatic Lite, SAVE-U-LITE, Model U-80 Xenon strobe Floating Electric Waterlight.

Cal-June Corporation, P.O. Box 9551, North Hollywood, CA 91609-1551

161.010/12/1 Model 1820, Xenon flashtube type, with rubber gasket.

Forespar Products Corp., 22322 Gilberto, Rancho Santa Margarita, CA 92688

161.010/20/0 Floating Electric Waterlight, Model WL-1.

The Guest Company Inc, 48 Elm Street, P O Box 2509 Station A, Meriden, CT 06450

161.010/4/2 Model No. 326A Xenon flashtube floating electric water light.

161.010/9/0 Guest man-overboard light model #375.

161.010/15/0 Model No. 328 Xenon Flashtube Floating Electric Water Light with Magnetic Reed Switch. Same as No. 326 except provided with magnetic reed switch.

Jotron Electronics AS, P.O. Box 85, 32800 Tjodalving, Norway

161.010/19/0 Jotron Electronics A. S. Model Tron 4F Floating Electric Waterlight.

Multi Spec Products Corporation, 406 Lightner Street, P.O. Box 565, Union Bridge, MD 21791

161.010/18/0 Multi-Spec Products Corporation Model SS-1 Floating Electric Waterlight.

Soderberg Manufacturing Co., Inc., 20821 Carnier Rd., Walnut, CA 91789

161.010/5/2 Model S1307 Seastar Distress Marker.

Tek-Lite, Inc., 201 Thomas Street, P.O. Box 548, Union Bridge, MD 21791

161.010/17/0 Model SN4.

161.011 EPIRB

Emergency Position Indicating Radio Beacon

ACR Electronics, Inc., 5757 Ravenswood Road, P.O. Box 5247, Fort Lauderdale, FL 33310-5247

161.011/9/0 Model ACR/RLB-14.

Aquatronics, P O Box 415, Port Hadlock, WA 98339

161.011/16/0 Model #Survivor-3, Class A, Float-Free.

Locat Developments, Ltd., Wm. Wright Dock, Hull HU3 4PG, United Kingdom

161.011/15/0 Model LDT-57A, Class A, float-free EPIRB.

EQUIPMENT LISTS

The 406 MHz Satellite EPIRB's listed below are FCC type accepted in lieu of approval by the Coast Guard, and are listed here for information only.

ACR Electronics, Inc., 5757 Ravenswood Road, P.O. Box 5247, Fort Lauderdale, FL 33310-5247
Model ACR/RLB 23 Category 1 406 MHz Satellite EPIRB.
Model ACR/RLB 24 Category 2 406 MHz Satellite EPIRB.

Alden Electronics, 40 Washington Street, P.O. Box 80, Westboro, MA 01581
Model 406 SURVIVAL Category 1 & 2 406 MHz Satellite EPIRB
Model SATFIND 406 M3 Category 1 406 MHz Satellite EPIRB
Model SATFIND 406 M4 Category 2 406 MHz Satellite EPIRB.

Aviation And Marine Technology, Inc., 211 Otto St., Port Townsend, WA 98368
Model AVMAR-1 Category 1 406 MHz Satellite EPIRB.

Graseby Nova, Park Avenue, Bushey, Watford, Herts. WD2 2BW, United Kingdom
(U.S. Agent: Radio Holland, USA, Electronic Systems, Marine, Houston, TX)
Model RT-260, Category 1 406 MHz Satellite EPIRB
Model RT-260M, Category 2 406 MHz Satellite EPIRB
Model RA406, Category 1 406 MHz Satellite EPIRB
Model RT161M, Category 1 406 MHz Satellite EPIRB
Category 2 406 MHz Satellite EPIRB

I.E.S.M., Electronics Safety Dev., P.O. Box 1034, Manhasset, NY 11030
Models KANNAD 406 F and KANNAD 406 FH Category 1 406 MHz Satellite EPIRBs
Model KANNAD 406 S Category 2 406 MHz Satellite EPIRB

Jotron Electronics As, Po Box 85, 32800 Tjodalyng, Norway
Model TRON-30S Category 1 406 MHz Satellite EPIRB.

Kelvin Hughes/Lokata Ltd., New North Rd., Hainault, Ilford, Essex LG6 2UR, United Kingdom
(marketed by LOKATA America, Tarpon Springs, FL)
Models L406H and L406HH Category 1 406 MHz Satellite EPIRB.
Model L406M Category 2 406 MHz Satellite EPIRB.
Model 406-2M Category 2 406 MHz Satellite EPIRB.
Models 406-2A and 406-2AH Category 1 406 MHz Satellite EPIRB.
Models L406MH and L406MHH Category 1 406 MHz Satellite EPIRB.

Litton Special Devices, 750 W Sprout Rd, Springfield, PA 19064-4084
Model 948-01 Category 1 406 MHz Satellite EPIRB.
Model 952 Category 2 406 MHz Satellite EPIRB

Raytheon Marine Company, 46 River Road, Hudson, NH 03051
Model JOE-2A Category 1 406 MHz Satellite EPIRB
Model JOE-2A Category 1 406 MHz Satellite EPIRB.

161.012 PERSONAL FLOTATION DEVICE LIGHT

See approvals under 161.112 series also.

ACR Electronics, Inc., 5757 Ravenswood Road, P.O. Box 5247, Fort Lauderdale, FL 33310-5247
161.012/1/0 ACR/4F Firefly Rescue Lite. Alternate spark-free model with encased magnetic reed switch identified as Model ACR/4G.
161.012/3/0 ACR/L8-2 Rescue Light.
161.012/22/0 Model ACR/L8-3 Rescue Lite.
161.012/24/0 Model ACR/733 strobe personal flotation device light.
161.012/25/0 Model ACR/731 steady-state personal flotation device light.
161.012/26/0 Model L8-6, L8-6-1 and L8-7 water-activated, steady-state, personal flotation device light.
161.012/29/0 Firefly II Rescue Lite Model ACR/MS-2000, strobe PFD light.

ELECTRICAL EQUIPMENT

Cal-June Corporation, P.O. Box 9551, North Hollywood, CA 91609-1551

161.012/7/1 Model 450 or Model 452 (with D-ring strap for Kapok PFD), Jim-Buoy PFD Light.

161.012/30/0 Model 451 P.F.D. Light, steady-state personal flotation device light.

Daniamant ApS, Laerkegaden, Slangerup Overdrev 11, DK-3550 Slangerup, Denmark

161.012/17/0 RESCUE-SOL PFD Light, water-activated.

EJE Trans-Lite, Inc., 1124 Topsail Road, P.O. Box 625, Mount Pearl, Newfoundland, Canada A1N 2X1

161.012/16/0 Model EJE TL B40. Rotary switch can be set to automatically water-activate or manually operate.

161.012/18/0 Digi-Lite Model A-12M PFD Light. Automatically water activated.

Fores Manufacturing Corp., 22322 Gilberto, Rancho Santa Margarita, CA 92688

161.012/12/0 Forespar RL-SOLAS rescue light.

Forespar Products Corp., 22322 Gilberto, Rancho Santa Margarita, CA 92688

161.012/A12/0 Forespar RL-SOLAS strobe light.

Fulton Industries, Inc., 135 East Linfoot Street, P.O. Box 377, Wauseon, OH 43567

161.012/8/0 Model no. 101 personal flotation device light.

161.012/11/0 Model 102 PFD light. Same as Model 101, approval numbers 161.012/8/0 and 161.112/1/0, except for battery and magnifying lens.

161.012/23/0 Model 103-IB strobe light.

G. T. Price Products, Inc., 2223 East 37th Street, Los Angeles, CA 90058

161.012/9/0 Model D-31.

The Guest Company Inc., 48 Elm Street, P O Box 2509 Station A, Meriden, CT 06450

161.012/4/0 Model 378-B or Model 378-A (with ball-type plastic whistle on a 3 foot lanyard).

161.012/5/1 Model 380A S.E.M.E. Safety Emergency Monitoring Equipment Strobe Light.

161.012/6/0 Model 378-C, Incandescent Personal Light.

Jotron Electronics AS, P.O. Box 85, 32800 Tjodalving, Norway

161.012/20/0 Jotron Model AQ-4 personal flotation device light.

Luen Wo Electronics Industries Co, 4/F., Siu On Building, 243-245 Des Voeux Rd West, Hong Kong

161.012/12/0 Xenec strobe light.

McMurdo Limited, Rodney Road, Fratton, Portsmouth, Hampshire, United Kingdom PO4 8SG

161.012/13/0 Model L8S water-activated, steady-state, personal flotation device light.

161.012/14/0 Model LJ1 steady-state personal flotation device light.

161.012/33/0 Model L285 water-activated, steady-state, personal flotation device light.

MPI Outdoor Safety Products, 37 East Street, Winchester, MA 01890-1198

161.012/21/0 Emergency Strobe light.

Omniglow Corporation, 20-C Pimentel Court, Novato, CA 94949

161.012/2/1 Snaplight PML Personnel Marker Light, chemically activated personal flotation device light.

161.012/27/0 Survivor Marking Lights, Part #90920, chemically activated personal flotation device light.

Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom

161.012/19/0 Pains-Wessex/Schermuly JAKLITE lifejacket light.

Signa-Flash Ltd., 9 Taymall Avenue, Toronto, Ontario, Canada M8Z 3Y8

161.012/15/0 May-Day II Strobe Light. Safety pin or lanyard for attachment.

EQUIPMENT LISTS

Stearns Manufacturing Company, 30th & Division Streets, Post Office Box 1498, St. Cloud, MN 56302
161.012/28/0 Model 1900 steady-state personal flotation device light.

Trading & Lighting, HC 2 Box 3001, Albrightsville, PA 18210
161.012/32/0 LED Life Jacket Light water-activated, steady-state, personal flotation device light.

161.013 ELECTRIC DISTRESS LIGHT FOR BOATS

The following manufacturers have notified the Coast Guard that they offer electric distress lights for boats certified to meet 46 CFR 161.013.

ACR Electronics, Inc., 5757 Ravenswood Road, P.O. Box 5247, Fort Lauderdale, FL 33310-5247

161.101 POSITION INDICATING LIGHTS (SOLAS)

Position indicating lights approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention.

ACR Electronics, Inc., 5757 Ravenswood Road, P.O. Box 5247, Fort Lauderdale, FL 33310-5347
161.101/6/0 ACR/RLO-40 International Raft Strobe Light.

Daniamant ApS, Laerkegaden, Slangerup Overdrev 11, DK-3550 Slangerup, Denmark
161.101/4/0 Daniamant Rescue Emergency Light, Type "Lite GB", external liferaft canopy light.

Raftgo Hendry Manufacturing Co., 12-A Pamaron Way, Novato, CA 94947
161.101/1/0 Model WC-0012GH, external steady-burning liferaft canopy light.

161.112 PERSONAL FLOTATION DEVICE LIGHT

Lights approved under this series meet the 1983 Amendments to the 1974 Safety of Life at Sea Convention. Any light approved under this series may be used in place of a light required to be approved under 161.012.

ACR Electronics, Inc., 5757 Ravenswood Road, P.O. Box 5247, Fort Lauderdale, FL 33310-5247
161.112/2/0 ACR/4F Firefly Rescue Lite. Alternate spark-free model with encased magnetic reed switch identified as Model ACR/4G.

161.112/3/0 Model ACR/L8-2, Rescue Light.

161.112/16/0 Model ACR/L8-3 Rescue Lite.

161.112/18/0 Model ACR/733 strobe personal flotation device light.

161.112/19/0 Model ACR/731 steady-state personal flotation device light.

161.112/20/0 Model L8-6, L8-6-1 and L8-7 water-activated, steady-state, personal flotation device light.

161.112/22/0 Firefly II Rescue Lite Model ACR/MS-2000, strobe PFD light.

Cal-June Corporation, PO Box 9551, North Hollywood, CA 91614
161.112/23/0 Model 451 P.F.D. Light, steady-state personal flotation device light.

Daniamant ApS, Laerkegaden, Slangerup Overdrev 11, DK-3550 Slangerup, Denmark
161.112/9/0 RESCUE-SOL PFD Light, water-activated.

EJE Trans-Lite, Inc., 1124 Topsail Road, P.O. Box 625, Mount Pearl, Newfoundland, Canada A1N 2X1
161.112/8/0 EJE Trans-Lite Model EJE TL B40 PFD Light.
161.112/10/0 Digi-Lite Model A-12M PFD Light. Automatically water activated.

Forespar Products Corp., 22322 Gilberto, Rancho Santa Margarita, CA 92688
161.112/A4/0 Forespar RL-SOLAS strobe light.
161.112/24/0 Forespar RL-2 Personnel Strobe Light.

Fulton Industries, Inc., 135 East Linfoot Street, P.O. Box 377, Wauseon, OH 43567
161.112/1/0 Model no. 101 personal flotation device light.
161.112/17/0 Model 103-LB strobe light.

ELECTRICAL EQUIPMENT

- The Guest Company Inc, 48 Elm Street, P O Box 2509 Station A, Meriden, CT 06450
 161.112/13/0 Model 378-B or Model 378-A (with ball-type plastic whistle on a 3 foot lanyard).
 161.112/14/0 Model 380A S.E.M.E. Safety Emergency Monitoring Equipment Strobe Light.
- Jotron Electronics AS, P.O. Box 85, 32800 Tjodalving, Norway
 161.112/12/0 Jotron Model AQ-4 personal flotation device light.
- Luen Wo Electronics Industries Co, 4/F., Siu On Building, 243-245 Des Voeux Rd West, Hong Kong
 161.112/4/0 Xenec strobe light.
- McMurdo Ltd., Rodney Road, Portsmouth, Hants. PO4 8SG, United Kingdom
 161.112/5/0 Model L8S water-activated, steady-state, personal flotation device light.
 161.112/6/0 Model LJ1 steady-state personal flotation device light.
 161.112/26/0 Model L285 water-activated, steady-state, personal flotation device light.
- MPI Outdoor Safety Products, 37 East Street, Winchester, MA 01890-1198
 161.112/15/0 Model ACR/733 Personnel flotation Device Strobe Light.
- Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom
 161.112/11/0 Pains-Wessex/Schermuly JAKLITE lifejacket light.
- Signa-Flash Ltd., 9 Taymall Avenue, Toronto, Ontario, Canada M8Z 3Y8
 161.112/7/0 May-Day II strobe light. Safety pin or lanyard for attachment.
- Stearns Manufacturing Company, 30th & Division Streets, Post Office Box 1498, St. Cloud, MN 56302
 161.112/21/0 Model 1900 steady-state personal flotation device light.
- Trading & Lighting, HC 2 Box 3001, Albrightsville, PA 18210
 161.112/25/0 LED Life Jacket Light water-activated, steady-state, personal flotation device light.

ENGINEERING EQUIPMENT

162.016 FLAME ARRESTERS FOR TANK VESSELS

(Sizes indicated in inches.)

C. M. Kemp Manufacturing Co., a unit of Permea Inc., Glen Burnie, MD 21061-2796

162.016/40/0 Kemp Model FA79 "Kwik-Clean" in-line flame arrester, for installation in 3", 4", 6", 8", 10" and 12" diameter piping systems.

GPE Controls, Inc., Division of Vapor Corp., 6511 Oakton Street, Morton Grove, IL 60053

162.016/6/6 Model 94305 flame arrester.

162.016/39/1 Identical to Model 94305, Approval No. 162.016/6/6 with only 4 inch depth tube bank for all sizes.

Groth Equipment Corporation, P.O. Box 15293, Houston, TX 77020

162.016/38/2 Model 7618, sizes 3", 4", 6", 8", 10", 12", and 16".

Protectoseal Co., 225 West Foster Ave., Bensenville, IL 60106

162.016/34/0 Type 868B and E868B, size 8 in.

162.016/37/2 Types 495F, C495F, and F495F sizes 3", 4", 6", and 8". Type 4960F, C4960F, and F4960F size 10". Rev. 1 added 6" and 8" sizes and deleted a misprint previously allowing 2" size. Rev. 2 added 10" size.

162.017 VALVES, PRESSURE VACUUM RELIEF

(Sizes indicated in inches.)

Airfilco, Inc., 8654 Pontchartrain Blvd., 20 Peninsula, New Orleans, LA 70124

162.017/133/0 Bolaco Type K CN7819, 2.0 psig pressure, 0.5 psig vacuum, size 6".

162.017/134/0 Bolaco dwg. 51467, 1.0 - 3.0 psig pressure, 0.5 - 1.0 psig vacuum, hi-vel, sizes 2-1/2", 3", 4", 6", 8", 10", and 12". A flame screen is required on the vacuum side of this valve.

Aries Ind. & Naval Service, S. A., Edificio Germania, Guzman El Bueno, Madrid, Spain

162.017/136/0 Martin Hi-Jet II hi-velocity pressure-vacuum relief valves; sizes 1,000, 2,500, 5,000, 7,500, and 10,000 cubic meter/hr. Welder & weld procedure qualifications must be acceptable to the cognizant Officer in Charge, Marine Inspection.

Electromechanical Research, Laboratories Inc., P O Box 1026, New Albany, IN 47151

162.017/139/1 Type SUPERAC (TM) 1.0 - 3.0 psig Pressure, 0.5 - 1.0 psig vacuum 6 inch.

GPE Controls, Inc., Division of Vapor Corp., 6511 Oakton Street, Morton Grove, IL 60053

162.017/96/0 Fig. 4100-07X, vacuum only, size 6".

162.017/105/0 Model 94030, 2.5 psig pressure, 0.5 psig vacuum, size 6".

162.017/117/0 Model 94030, 3 psig pressure, 1 psig vacuum, size 8".

Hayward Industrial Products, Inc., 900 Fairmount Ave., P.O. Box 18, Elizabeth, NJ 07207

162.017/64/4 Figure No. 100, pressure-vacuum relief valve, approved for sizes 2-1/2", 3", 4", 5", 6", 8", 10", and 12". May also be marked with "MEMARCO" trademark.

162.017/65/3 Figure No. 110 pressure-vacuum relief valve, atmospheric pattern, weight loaded poppets, approved for sizes 3", 4", 5", 6", 8", and 10".

162.017/66/4 Figure No. 120 pressure-only relief valve, atmospheric pattern, weight loaded poppets, approved for sizes 3", 4", 6", 8" and 10".

162.017/67/4 Figure NO. 130 pressure-vacuum relief valve, enclosed pattern, weight loaded poppets approved for sizes 3", 4", 5", 6", 8" and 10".

162.017/68/1 Figure No. 240, pressure-vacuum relief valve, approved for 4" size.

162.017/69/2 Figure No. 250, pressure only or vacuum only relief valve, 4" size.

162.017/70/1 Figure No. 260, pressure only relief valve, approved for 4" size.

162.017/77/1 Figure No. 140, pressure-vacuum relief valve, approved for 8" size.

162.017/81/0 Figure No. 160, pressure-vacuum relief valve, approved for 4" size.

162.017/98/0 Figure 160 (2 sheets) pressure relief valve approved for 6" and 8" sizes.

Midland Manufacturing Corp., 7733 Gross Point Road, P.O. Box 226, Skokie, IL 60077-0226

162.017/113/6 Midland pressure vacuum relief valves Bos. A-825, A-830, A-850, A-860, A-880, A-8100 Brass (ASTM B62) or stainless (CF-8, CF-8M) body.

162.017/115/2 Midland pressure vacuum relief valves Nos. A-826, A-831, A-841, A-851, A-861, A-881, A8101 Brass (ASTM B62) or stainless (CF-8M) body.

Morrison Brothers Co., P.O. Box 238, Dubuque, IA 52004-0238

162.017/63/0 Fig. 153-B, size 2-1/2".

162.017/100/0 Fig. 153-B, size 2-1/2".

Press-Vac, Svanevang 3, DK-3450 Allerod, Denmark

162.017/120/6 Type HS, and model HS6M 1.0 - 3.0 psig pressure, 0.5 - 1.0 psig vacuum, sizes 2 1/2", 3", 4", 6", 8", and 10".

162.017/121/1 Type FLF, 1.0 - 3.0 psig pressure, 0.5 - 1.0 psig vacuum, sizes 2-1/2, 3, 4, 6, 8, 10, 12, 14 and 16 inches. This valve when used in venting systems must have flame screens installed at all openings to the atmosphere.

162.017/122/1 Type DA, 1.0 - 3.0 psig pressure, 0.5 - 1.0 psig vacuum, sizes 2-1/2, 3, 4, 6, 8, and 10 inches.

162.017/128/0 Type DH, 1.0 - 3.0 psig pressure, 0.5 - 1.0 psig vacuum, sizes 2-1/2, 3, 4, and 6 inches. This valve when used in venting systems must have flame screens installed at all openings to the atmosphere.

162.017/129/1 Type FLS, 1.0 - 3.0 psig pressure, 0.5 - 1.0 psig vacuum, sizes 2-1/2", 3", 4", 5", 6", 8", and 10".

162.017/130/0 Type P, 1.0 - 3.0 psig pressure, 0.5 - 1.0 psig vacuum, sizes 2-1/2, 3, 4, 5, 6, and 8 inches. This valve when used in venting systems must have flame screens installed at all openings to the atmosphere.

162.017/131/0 Type OA, 1.0-3.0 psig pressure, sizes 3, 4, 6, 8, and 10 inches.

162.017/138/0 Type HSV, 1.5 - 3.0 psig pressure, 0.5 - 1.0 psi vacuum 2.5, 3, 4, 5, 6, 8, 10, 12, 14, 16 and 18 inches.

Se-Won Industries Co. Ltd., 397-3 Samrack-Dong Buk-Kup, P.O. Box 525, Pusan, South Korea

162.017/137/0 SE-WON HPV-4, HPV-5, and HPV-6 high velocity pressure-vacuum relief valve.

Tate Temco, Inc., 1941 Lansdowne Road, Baltimore, MD 21227

162.017/111/5 Models 53-25LF, 53-25F, 53-65F, sizes 2-1/2", 4", 6", 8", and 10".

162.017/112/5 Models 53-20F, 53-40F, 53-60F, sizes 2-1/2", 4", 6", 8", and 10".

Varec Division, Emerson Electric Co., 10800 Valley View Drive, Cypress, CA 90630

162.017/102/0 Fig. 360G, vacuum relief, size 4".

Waukesha Bearings Corp., P.O. Box 1616, Waukesha, WI 53187

162.017/116/2 Type FLS. Relief settings of 1.0 to 3.0 psig pressure and 0.5 to 1.0 psig vacuum. In sizes 2.5, 3, 4, 5, 6, 8, and 10 inches.

162.017/118/4 Type HS-M, 1.0 - 3.0 psig pressure, 0.5 - 1.0 psig vacuum, sizes 2", 2-1/2", 3", 4", 6", and 10".

162.017/124/1 Type FLF. Relief settings of 1.0 to 3.0 psig pressure and 0.5 to 1.0 psig vacuum. In sizes 2.5, 3, 4, 5, 6, 8, 10, 12, 14, and 16 inches.

162.017/126/0 Type P. Relief settings of 1.0 to 3.0 psig pressure and 0.5 to 1.0 psig vacuum. In sizes 2.5, 3, 4, 5, 6, and 8 inches. When used in venting systems, this valve must have flame screens installed at all openings to the atmosphere.

Wilson Walton International, Inc., 66 Hudson Street, P.O. Box M-890, Hoboken, NJ 07030

162.017/119/1 Martin Hi-Jet Mark III System "C", and Junior System "C" and Mini System "C" high velocity.

162.017/140/0 Martin Hi-Jet Mark III Junior System "C" and Mini System "C" high velocity pressure-vacuum relief valves; 1.0-2.0 psig pressure, 0.5 psig vacuum.

162.018 VALVES, SAFETY RELIEF, LIQUIFIED COMPRESSED GAS

(Sizes indicated in inches.)

Anderson Greenwood & Co., 5425 South Rice Ave., Houston, TX 77036

162.018/95/0 Starflow Type P3, sizes 1", 1-1/2", 2", 2-1/2", 3", 4", and 6".

Crosby Valve and Gage Co., Wrentham, MA 02093

162.018/35/4 Style JQ, size 4".

162.018/58/0 Style JO-24, inlet diameters 1" through 8".

ENGINEERING EQUIPMENT

Dresser Industrial Valve & Instrument Div., P.O. Box 430, Alexandria, LA 71301

162.018/36/1 Type 1905.
 162.018/37/1 Type 1906.
 162.018/38/1 Type 1910.
 162.018/39/1 Type 1912.
 162.018/42/1 Type 1905-30.
 162.018/43/1 Type 1906-30.
 162.018/44/1 Type 1910-30.
 162.018/45/1 Type 1912-30.
 162.018/48/1 Type 1905 (Special).
 162.018/49/1 Type 1906 (Special).
 162.018/50/1 Type 1910 (Special).
 162.018/51/1 Type 1912 (Special).
 162.018/52/1 Type 1905-30 (Special).
 162.018/53/1 Type 1906-30 (Special).
 162.018/54/1 Type 1910-30 (Special).
 162.018/55/1 Type 1912-30 (Special).
 162.018/96/0 Type 3900 modulating pilot operated safety relief valve in sizes 1" inlet x 2" outlet through 6" inlet x 8" outlet.

J. E. Lonergan Co., Red Lion Road, West of Verree Road, P.O. Box 6167, Philadelphia, PA 19115
 162.018/84/0 Series DO-30, Model DO-30P/S4.

Midland Manufacturing Corp., 7733 Gross Point Road, P.O. Box 226, Skokie, IL 60077-0226

162.018/69/0 Type 1005, size 3".
 162.018/79/0 Types A-3200 and A-3200L, size 3".
 162.018/82/0 Series 1900-S and Series 1902S, size 3-1/2".
 162.018/89/0 Type A-1400, sizes 1-1/2", 2", 2-1/2", 3", and 4".

Teladyne Farris Engineering, 400 Commercial Avenue, Palisades Park, NJ 07650
 162.018/56/4 2600 Series, inlet diameters 1" through 6", lifting lever construction.

162.027 NOZZLES, FIRE HOSE, COMBINATION SOLID STREAM AND WATER SPRAY (1-1/2" AND 2-1/2")

NOTE: The 4' applicator is intended for 1-1/2" size combination nozzles fitted in propulsion machinery spaces containing oil-fired boilers, internal combustion machinery, or oil fuel tanks.

Akron Brass Manufacturing Co., P.O. Box 86, Wooster, OH 44691

162.027/9/0 Style 2032, 63.5 mm (1-1/2") combination solid stream and water spray fire hose nozzle with applicator.
 162.027/10/0 Style 2046, 2 1/2", hose nozzle with Style 2047 high-velocity head, and Style 2225 applicator with Style 1048 low-velocity head. Due to orifice sizes, no special self-cleaning strainer is required.
 162.027/11/0 Akron Model 3019, size 1 1/2 inch, 95 gpm, fire hose nozzle. Does not incorporate applicator. Nozzle design differs from 162.027. Approval is based performance equivalent to that of nozzles designed to 162.027.
 162.027/13/0 Akron Model 3015, size 1 1/2 inch, 95 gpm, fire hose nozzle. Does not incorporate applicator.

Elkhart Brass Manufacturing Co., 1302 West Beardsley Avenue, Elkhart, IN 46514

162.027/12/0 Elkhart Model SFL-GCG 95, size 1 1/2 inch, 95 gpm, fire nozzle does not incorporate applicator. Nozzle design differs from 46 CFR 162.027. Approval is based on performance equivalent to that of nozzle designed to 162.027.

Rockwood Systems Corp., 640 Main Street, Lancaster, TX 75146

162.027/2/1 Rockwood 1 1/2" SG70 combination solid stream and water spray fire hose nozzle. Applicators were formerly Type CG; low-velocity head was formerly Type T-11A; due to orifice sizes no special self-cleaning strainer is required.
 162.027/3/1 Rockwood 2-1/2" SG70 combination solid stream and water spray fire hose nozzle. Applicators were formerly Type CG; low-velocity head was formerly Type T-10A.
 162.027/8/0 Rockwood 1 1/2" SG71 combination solid stream and water spray fire hose nozzle. Applicators were formerly Type CG; low-velocity head was formerly Type T-11A; due to orifice sizes no special self-cleaning strainer is required.

EQUIPMENT LISTS

162.028 FIRE EXTINGUISHERS, PORTABLE MARINE TYPE

NOTE: Portable fire extinguishers bearing the "marine type" label of a Coast Guard recognized independent laboratory are approved for use on commercial vessels and recreational boats. This marking, a part of the extinguisher label, may be identified by the following example:

Marine Type USCG Type B-C, Size I, Approval no. 162.028/1 . .

The letters and numbers indicating the type and size following "USCG" refer directly to Coast Guard classifications as contained in 46 CFR 25.30, 34.50, 76.50, and 95.50.

Currently recognized independent laboratories are:

Underwriters Laboratories (UL), 333 Pfingsten Road, Northbrook, IL 60062. See UL's "Marine Products Lists" for current UL listed, USCG approved fire extinguishers.

Factory Mutual System (FM), Factory Mutual Research, 1151 Boston-Providence Turnpike, Norwood, MA 02062.

Underwriters Laboratories of Canada (ULC), 7 Crouse Road, Scarborough, Ontario, Canada M1R 3A9.

162.029 FIXED FIRE EXTINGUISHING SYSTEMS

American Safety Products, 631 Mimosa Drive, Cleveland, TN 37320-4200
 162.029/56/0 "Halonite" Model GA-10, 1.0 lb pre-engineered Halon 1301.
 162.029/57/0 "Halonite" Model GA-15, 1.5 lb pre-engineered Halon 1301.
 162.029/58/0 "Halonite" Model GA-40, 4.5 lb pre-engineered Halon 1301.
 162.029/59/0 "Halonite" Model GA-70, 7.0 lb pre-engineered Halon 1301.
 162.029/60/0 "Halonite" Model GA-100, 10.0 lb pre-engineered Halon 1301.
 162.029/61/0 "Halonite" Model GA-150, 15.0 lb pre-engineered Halon 1301.
 162.029/62/0 "Halonite" Model GA-200, 20.0 lb pre-engineered Halon 1301.
 162.029/63/0 "Halonite" Model JS-10, 1.0 lb, pre-engineered combination Halon 1211 and 1301, maximum protected volume is 45 gross cubic feet. Use restricted to recreational boats and uninspected vessels.

Automatic Sprinkler Corp. of America, 1000 East Edgerton Road, P.O. Box 180, Cleveland, OH 44147

162.029/13/0 Size 10 lb, automatic carbon dioxide marine type fire extinguishing system with manual back up actuator.

162.029/14/0 Size 15 lb, automatic carbon dioxide marine type fire extinguishing system with manual back up actuator.

162.029/15/0 Size 20 lb, automatic carbon dioxide marine type fire extinguishing system with manual back up actuator.

162.029/16/0 Size 25 lb, automatic carbon dioxide marine type fire extinguishing system with manual back up actuator.

162.029/17/0 Size 35 lb, automatic carbon dioxide marine type fire extinguishing system with manual back up actuator.

162.029/18/0 Size 50 lb, automatic carbon dioxide marine type fire extinguishing system with manual back up actuator.

162.029/19/0 Size 75 lb, automatic carbon dioxide marine type fire extinguishing system with manual back up actuator.

162.029/49/0 Model "15C", 1.5 lb Halon 1301 pre-engineered fire extinguishing systems. Maximum protected volume is 75 cubic feet.

162.029/50/0 Model "30C", 3 lb Halon 1301 pre-engineered fire extinguishing systems. Maximum protected volume is 150 cubic feet.

162.029/51/0 Model "55C", 5.5 lb Halon 1301 pre-engineered fire extinguishing systems. Maximum protected volume is 275 cubic feet.

ENGINEERING EQUIPMENT

- 162.029/52/0 Model "85C", 8.5 lb Halon 1301 pre-engineered fire extinguishing systems. Maximum protected volume is 425 cubic feet.
- 162.029/53/0 Model "110C", 11 lb Halon 1301 pre-engineered fire extinguishing systems. Maximum protected volume is 350 cubic feet.
- 162.029/54/0 Model "160C", 16 lb Halon 1301 pre-engineered fire extinguishing systems. Maximum protected volume is 800 cubic feet.
- 162.029/55/0 Model "200C", 20 lb Halon 1301 pre-engineered fire extinguishing systems. Maximum protected volume is 1,000 cubic feet.
- 162.029/79/0 Model 255C 25.5 lb Halon 1301 automatic pre-engineered fire extinguishing system with manual backup actuator. Max. protected volume is 1275 cu. ft.

Cease Fire 133754 Canada, Inc., 159 Denison Street, Markham, Ontario, Canada L3R 1B5

- 162.029/80/0 Model "HAE-3PC", 3 lb Halon 1211 automatic fire extinguishing system. Maximum protected volume is 128 cubic feet.
- 162.029/81/0 Model "HAE-6PC", 6 lb Halon 1211 automatic fire extinguishing system. Maximum protected volume is 256 cubic feet.
- 162.029/82/0 Model "HAE-10PC", 10 lb, Halon 1211 fire extinguishing system. Maximum protected volume is 427 cubic feet.

Convenience Marine Products, 100 Commerce Ave. SW, Grand Rapids, MI 49503

- 162.029/20/2 FIREBOY Models "15CG" and "S15CG" 1.5 lb automatic Halon 1301 fire extinguishing systems.
- 162.029/21/2 FIREBOY Models "35CG" and "S35CG" 3.5 lb automatic Halon 1301 fire extinguishing systems.
- 162.029/22/2 FIREBOY Models 70CG and S70CG, 7 lb automatic Halon 1301 fire extinguishing systems.
- 162.029/23/2 FIREBOY Models 100CG and S100CG, 10 lb automatic Halon 1301 fire extinguishing systems.
- 162.029/24/2 FIREBOY Models "150CG" and "S150CG" 15 lb automatic Halon 1301 fire extinguishing systems.
- 162.029/25/2 FIREBOY Models "200CG" and "S200CG" 20 lb automatic Halon 1301 fire extinguishing systems.
- 162.029/32/0 Model 15 MA, 1.5 lb pre-engineered Halon 1301.
- 162.029/33/0 Model 35 MA, 4 lb pre-engineered Halon 1301.
- 162.029/34/0 FIREBOY Model 70 MA, 7 lb, automatic pre-engineered Halon 1301, maximum protected volume is 350 gross cubic feet. Use restricted to [recreational boats and uninspected vessels].
- 162.029/35/0 Model 100 MA, 10 lb pre-engineered Halon 1301.
- 162.029/36/0 FIREBOY Model "150 MA" 15 lb Halon 1301 pre-engineered type fire extinguishing systems. Maximum protected volume is 750 cubic feet.
- 162.029/37/0 Model 200 MA, 20 lb pre-engineered Halon 1301.
- 162.029/38/0 Model 258 MA, 25.8 lb pre-engineered Halon 1301.
- 162.029/67/0 FIREBOY MODEL "OE50-1", 1.0 lb Halon 1301 automatic, pre-engineered type fire extinguishing systems. Maximum protected volume is 50 cubic feet.
- 162.029/68/0 FIREBOY MODEL "OE100-2", 2.0 lb Halon 1301 automatic, pre-engineered type fire extinguishing systems. Maximum protected volume is 100 cubic feet.
- 162.029/69/0 FIREBOY MODEL "OE150-3", 3.0 lb Halon 1301 automatic, pre-engineered type fire extinguishing systems. Maximum protected volume is 150 cubic feet.
- 162.029/70/0 FIREBOY MODEL "OE200-4", 4.0 lb Halon 1301 automatic, pre-engineered type fire extinguishing systems. Maximum protected volume is 200 cubic feet.
- 162.029/71/0 FIREBOY MODEL "OE250-5", 5.0 lb Halon 1301 automatic, pre-engineered type fire extinguishing systems. Maximum protected volume is 250 cubic feet.
- 162.029/72/0 FIREBOY MODEL "OE300-6", 6.0 lb Halon 1301 automatic, pre-engineered type fire extinguishing systems. Maximum protected volume is 300 cubic feet.
- 162.029/73/0 FIREBOY MODEL "OE350-7", 7.0 lb Halon 1301 automatic, pre-engineered type fire extinguishing systems. Maximum protected volume is 350 cubic feet.
- 162.029/74/0 FIREBOY MODEL "OE400-8", 8.0 lb Halon 1301 automatic, pre-engineered type fire extinguishing systems. Maximum protected volume is 400 cubic feet.
- 162.029/75/0 FIREBOY MODEL "OE450-9", 9.0 lb Halon 1301 automatic, pre-engineered type fire extinguishing systems. Maximum protected volume is 450 cubic feet.
- 162.029/76/0 FIREBOY MODEL "OE500-10", 10.0 lb Halon 1301 automatic, pre-engineered type fire extinguishing systems. Maximum protected volume is 500 cubic feet.
- 162.029/77/0 FIREBOY Model "OMS-200/4", 4 lb, manual only Halon 1301 fire extinguishing system for the protection of outboard motor shrouds only. Approved for use on recreational boats when installed in accordance with manufacturer's instruction manual.

EQUIPMENT LISTS

162.029/78/0 FIREBOY Model "OMS-350/7", 7 lb manual only Halon 1301 fire extinguishing system for the protection of outboard motor shrouds only. Approved for use on recreational boats when installed in accordance with manufacturer's instruction manual.

162.029/83/0 FIREBOY Model "110 CG", 11 lb, automatic pre-engineered type Halon 1301 fire extinguishing system. Maximum protected volume is 550 cubic feet.

162.029/84/0 FIREBOY Model "120 CG", 12 lb, automatic pre-engineered type Halon 1301 fire extinguishing system. Maximum protected volume is 600 cubic feet.

162.029/85/0 FIREBOY Model "130 CG", 13 lb, automatic pre-engineered type Halon 1301 fire extinguishing system. Maximum protected volume is 650 cubic feet.

162.029/86/0 FIREBOY Model "140 CG", 14 lb, automatic pre-engineered type Halon 1301 fire extinguishing system. Maximum protected volume is 700 cubic feet.

162.029/87/0 FIREBOY Model "160 CG", 16 lb, automatic pre-engineered type Halon 1301 fire extinguishing system. Maximum protected volume is 800 cubic feet.

162.029/88/0 FIREBOY Model "170 CG", 17 lb, automatic pre-engineered type Halon 1301 fire extinguishing system. Maximum protected volume is 850 cubic feet.

162.029/89/0 FIREBOY Model "180 CG", 18 lb, automatic pre-engineered type Halon 1301 fire extinguishing system. Maximum protected volume is 900 cubic feet.

162.029/90/0 FIREBOY Model "190 CG", 19 lb, automatic pre-engineered type Halon 1301 fire extinguishing system. Maximum protected volume is 950 cubic feet.

162.029/111/0 FIREBOY Model "CG 2-075", 2.5 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 75 cu. ft.

162.029/112/0 FIREBOY Model "CG 2-125", 4.2 lb FE21 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 125 cu. ft.

162.029/113/0 FIREBOY Model "CG 2-200", 6.8 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 200 cu. ft.

162.029/114/0 FIREBOY Model "CG 2-265", 9.0 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 265 cu. ft.

162.029/115/0 FIREBOY Model "CG 2-370", 12.5 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 370 cu. ft.

162.029/116/0 FIREBOY Model "CG 2-475", 16.0 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 475 cu. ft.

162.029/117/0 FIREBOY Model "CG 2-700", 23.7 lb FE21 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 700 cu. ft.

162.029/118/0 FIREBOY Model "CG 2-900", 30.4 lb FE21 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 900 cu. ft.

162.029/119/0 FIREBOY Model "CG 2-1000", 33.8 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 1000 cu. ft.

162.029/120/0 FIREBOY Model "MA 2-075", 2.5 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 75 cu. ft.

162.029/121/0 FIREBOY Model "MA2-125", 4.2 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 125 cu. ft.

162.029/122/0 FIREBOY Model "MA 2-200", 6.8 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 200 cu. ft.

162.029/123/0 FIREBOY Model "MA2-265", 9.0 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 265 cu. ft.

162.029/124/0 FIREBOY Model "MA 2-370", 12.5 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 370 cu. ft.

162.029/125/0 FIREBOY Model "MA2-475", 16.0 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 475 cu. ft.

162.029/126/0 FIREBOY Model "MA2-700", 23.7 lb FE21 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 700 cu. ft.

162.029/127/0 FIREBOY Model "MA2-900", 30.4 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 900 cu. ft.

162.029/128/0 FIREBOY Model "MA2-1000", 33.8 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 1000 cu. ft.

162.029/129/0 FIREBOY Model "MA2-1275", 43.0 lb FE241 clean agent, pre-engineered fire extinguishing system. Maximum protected volume is 1275 cu. ft.

Kidde-Fenwal Inc., 400 Main Street, Ashland, MA 01721

162.029/39/0 "Fyre Watch" Model 170 Halon 1211 automatic pre-engineered type fire extinguishing system. Maximum protected volume is 170 cubic feet.

162.029/40/0 "Fyre Watch" Model 385 Halon 1211 pre-engineered Type fire extinguishing system. Maximum protected volume is 385 cubic feet.

ENGINEERING EQUIPMENT

Metalcraft, Inc., Sea-Fire Division, 718 Debelius Avenue, Baltimore, MD 21205

162.029/41/0 Model G-75, 1.5 lb pre-engineered Halon 1301.

162.029/42/0 Model G-150, 3.0 lb pre-engineered Halon 1301.

162.029/43/0 Model G-250, 5.0 lb pre-engineered Halon 1301.

162.029/44/0 Model G-350, 7.0 lb pre-engineered Halon 1301.

162.029/45/0 Model G-500, 10.0 lb pre-engineered Halon 1301.

162.029/46/0 Model G-800, 16.0 lb pre-engineered Halon 1301.

162.029/47/0 Model G-1000, 20.0 lb pre-engineered Halon 1301.

162.029/91/0 SEAFIRE Model "BB-75", 1.5 lb pre-engineered, automatic Halon 1301 fire extinguishing system. Maximum protected volume is 75 cubic feet.

162.029/92/0 SEAFIRE Model "BB-150", 3.0 lb pre-engineered, automatic Halon 1301 fire extinguishing system. Maximum protected volume is 150 cubic feet.

162.029/93/0 SEAFIRE Model "BB-200", 4.0 lb, automatic pre-engineered type Halon 1301 fire extinguishing system. Maximum protected volume is 200 cubic feet.

162.029/94/0 SEAFIRE Model "BB-250", 5.0 lb pre-engineered, automatic Halon 1301 fire extinguishing system. Maximum protected volume is 250 cubic feet.

162.029/95/0 SEAFIRE Model "BB-300", 6.0 lb pre-engineered, automatic Halon 1301 fire extinguishing system. Maximum protected volume is 300 cubic feet.

162.029/96/0 SEAFIRE Model "BB-350", 7.0 lb pre-engineered, automatic Halon 1301 fire extinguishing system. Maximum protected volume is 350 cubic feet.

162.029/97/0 SEAFIRE Model "BB-400", 8.0 lb pre-engineered, automatic Halon 1301 fire extinguishing system. Maximum protected volume is 400 cubic feet.

162.029/98/0 SEAFIRE Model "BB-500", 10.0 lb pre-engineered, automatic Halon 1301 fire extinguishing system. Maximum protected volume is 500 cubic feet.

162.029/99/0 SEAFIRE Model "BB-800", 16.0 lb pre-engineered, automatic Halon 1301 fire extinguishing system. Maximum protected volume is 800 cubic feet.

162.029/100/0 SEAFIRE Model "BB-1000", 20.0 lb pre-engineered, automatic Halon 1301 fire extinguishing system. Maximum protected volume is 1000 cubic feet.

162.029/101/0 SEAFIRE Model "SMA-75", 1.5 lb, pre-engineered, automatic Halon 1301 fire ext. system w/manual back-up actuator. Max. protected volume 75 cu. ft. Approved for use on recreational and certain other uninspected vessels when installed in accordance with the manufacturer's instruction manual.

162.029/102/0 SEAFIRE Model "SMA-150", 3.0 lb, pre-engineered, automatic Halon 1301 fire ext. system w/manual back-up actuator. Max. protected volume 150 cu. ft. Approved for use on recreational and certain other uninspected vessels when installed in accordance with the manufacturer's instruction manual.

162.029/103/0 SEAFIRE Model "SMA-200", 4.0 lb, pre-engineered, automatic Halon 1301 fire ext. system w/manual back-up actuator. Max. protected volume 200 cu. ft. Approved for use on recreational and certain other uninspected vessels when installed in accordance with the manufacturer's instruction manual.

162.029/104/0 SEAFIRE Model "SMA-250", 5.0 lb, pre-engineered, automatic Halon 1301 fire ext. system w/manual back-up actuator. Max. protected volume 250 cu. ft. Approved for use on recreational and certain other uninspected vessels when installed in accordance with the manufacturer's instruction manual.

162.029/105/0 SEAFIRE Model "SMA-300", 6.0 lb, pre-engineered, automatic Halon 1301 fire ext. system w/manual back-up actuator. Max. protected volume 300 cu. ft. Approved for use on recreational and certain other uninspected vessels when installed in accordance with the manufacturer's instruction manual.

162.029/106/0 SEAFIRE Model "SMA-350", 7.0 lb, pre-engineered, automatic Halon 1301 fire ext. system w/manual back-up actuator. Max. protected volume 350 cu. ft. Approved for use on recreational and certain other uninspected vessels when installed in accordance with the manufacturer's instruction manual.

162.029/107/0 SEAFIRE Model "SMA-400", 8.0 lb, pre-engineered, automatic Halon 1301 fire ext. system w/manual back-up actuator. Max. protected volume 400 cu. ft. Approved for use on recreational and certain other uninspected vessels when installed in accordance with the manufacturer's instruction manual.

162.029/108/0 SEAFIRE Model "SMA-500", 10.0 lb, pre-engineered, automatic Halon 1301 fire ext. system w/manual back-up actuator. Max. protected volume 500 cu. ft. Approved for use on recreational and certain other uninspected vessels when installed in accordance with the manufacturer's instruction manual.

162.029/109/0 SEAFIRE Model "SMA-800", 16.0 lb, pre-engineered, automatic Halon 1301 fire ext. system w/manual back-up actuator. Max. protected volume 800 cu. ft. Approved for use on recreational and certain other uninspected vessels when installed in accordance with the manufacturer's instruction manual.

162.029/110/0 SEAFIRE Model "SMA-1000", 20.0 lb, pre-engineered, automatic Halon 1301 fire ext. system w/manual back-up actuator. Max. protected volume 1000 cu. ft. Approved for use on recreational and certain other uninspected vessels when installed in accordance with the manufacturer's instruction manual.

162.033 FIRE EXTINGUISHING SYSTEMS, FOAM TYPE

NOTE: The systems listed are approved for the protection of ordinary petroleum products unless otherwise noted.

Chubb National Foam, Inc., 150 Gordon Drive, Exton, PA 19341

162.033/2/1 Chubb National Aer-O-Foam Marine Fire Extinguishing Systems with Aer-O-Foam Liquid 3% Regular, and XL-3 fluoroprotein foam liquid concentrate.

162.033/13/0 National Aer-O-Foam Marine Foam Fire Extinguishing Systems with 10% Universal CG Foam liquid.

162.033/27/0 National "Universal CG 6%" marine foam fire extinguishing system for protection of hydrocarbons and polar solvents.

Dooley-Tackaberry Systems, Inc., 314 Center Street, Deer Park, TX 77536

162.033/12/0 Model "TAC-FHR-XX-XX" AFFF hose reel stations for protection of helicopter landing pads without refueling facilities on MODUS.

Feecon Corp., 9 Otis Street, Westboro, MA 01581

162.033/15/2 FEECON systems with Cobra 3L and Cobra 3LCG (3% protein), and Cobra SP-3 (3% fluoroprotein).

162.033/29/0 FEECON marine fixed foam fire extinguishing system with Cobra A-3F (3% and 6% AFFF) foam liquid, for the protection of helicopter landing pads only.

162.033/30/0 FEECON marine foam extinguishing system using Cobra Universal foam (3% AFFF) liquid.

Halprin Supply Company, 3804 South Broadway Place, Los Angeles, CA 90037-1484

162.033/28/0 Models WFS60/3-CG and WFS60/6-CG, AFFF hose reel station.

Herbert S. Hiller Corporation, 1020 Justin Road, P.O. Box 420, Metairie, LA 70004

162.033/16/0 Model "HHS-01-CG" AFFF hose reel station for helopad protection of offshore oil platforms without refueling facilities. Uses 3M Corporations "Light Water" AFFF, 3 or 6%, or The Ansul Company's AFFF, 3 or 6% and needs platform water supply.

Magnum Fire & Safety Systems, 6648 Gulfway Dr., Port Arthur, TX 77640

162.033/23/0 Model "Offshore Wildcat 60", AFFF hose reel station.

162.033/24/0 Model "Offshore Wildcat 35", AFFF hose reel station.

Rockwood Systems Corp., 640 Main Street, Lancaster, TX 75146

162.033/6/2 Rockwood Marine Air-Foam Fire Extinguishing Systems, manual no. S-7009-1.

162.033/25/0 Rockwood Foam Fire Extinguishing Systems for protecting hydrocarbons and polar solvents.

162.033/26/0 Rockwood Foam Fire Extinguishing Systems for protecting of hydrocarbons.

Safety & Health Associates, Inc., 4549 Johnston Street, P.O. Drawer 51248, Lafayette, LA 51248

162.033/18/0 Model SH-100-30, AFFF hose reel station.

162.033/19/0 Model SH-100-60, AFFF hose reel station.

162.035 FIRE EXTINGUISHING SYSTEMS, BROMOTRIFLUOROMETHANE TYPE

Ansul Fire Protection, One Stanton Street, Marinette, WI 54143

162.035/4/0 "Ansul" engineered type Halon 1301 fire extinguishing systems for protection of manned machinery spaces.

Chemetron Fire Systems Division, Chemetron Corp., Route 50 & Governors Highway, Monee, IL 60449

162.035/6/0 Engineered Halon Marine 1301 Fire Extinguishing System.

Kidde-Fenwal Inc., 400 Main Street, Ashland, MA 01721

162.035/7/0 Series "487" engineered marine Halon 1301 extinguishing systems for protection of manned machinery spaces.

162.036 FIRE EXTINGUISHING SYSTEMS WATER SPRAY TYPE

Bete Fog Nozzle, Inc., 50 Greenfield St., Greenfield, MA 01301

162.036/2/0 Bete water spray system for tank vessel pump rooms, nozzle Model Nos. N3, N3W, N4, N4W, N5, and N5W. To be installed in accordance with manufacturer's system layout drawings.

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162.038 FIRE EXTINGUISHING SYSTEMS, CARBON DIOXIDE TYPE

Ansul Fire Protection, One Stanton Street, Marinette, WI 54143

162.038/7/0 High pressure marine carbon dioxide engineered fire extinguishing systems.

Chemetron Fire Systems Division, Chemetron Corp., Route 50 & Governors Highway, Monee, IL 60449

162.038/3/0 "Cardox" low pressure carbon dioxide marine system.

162.038/6/0 "Cardox" Series 65 high pressure carbon dioxide marine system.

Kidde-Fenwal Inc., 400 Main Street, Ashland, MA 01721

162.038/1/0 High Pressure Marine Carbon Dioxide Fire Extinguishing Systems.

Reliable Fire Equipment Co., 4811 West 129th Street, Alsip, IL 60658

162.038/8/0 "Reliable" low pressure carbon dioxide marine system.

162.039 FIRE EXTINGUISHERS, SEMI-PORTABLE MARINE TYPE

NOTE: Semi-portable fire extinguishers bearing the "marine type" label of a Coast Guard recognized independent laboratory are approved for use on commercial vessels and recreational boats. This marking, a part of the extinguisher label, may be identified by the following example:

Marine Type USCG Type B:C, Size V, Approval no. 162.039/...

The letters and numbers indicating the type and size following "USCG" refer directly to Coast Guard classifications as contained in 46 CFR 25.30, 34.50, 76.50, and 95.50.

Currently recognized independent laboratories are:

Underwriters Laboratories (UL), 333 Pfingsten Road, Northbrook, IL 60062. See UL's "Marine Products Lists" for current UL listed, USCG approved fire extinguishers.

Factory Mutual System (FM), Factory Mutual Research, 1151 Boston-Providence Turnpike, Norwood, MA 02062.

Underwriters Laboratories of Canada (ULC), 7 Crouse Road, Scarborough, Ontario, Canada M1R 3A9.

162.041 BACKFIRE FLAME CONTROL, GASOLINE ENGINES; FLAME ARRESTERS

Barbron Corp., 14580 Lesure Ave., Detroit, MI 48227

162.041/190/10 5.75 inch.

162.041/191/1 3.80 inch.

162.041/198/1 10.0 inch.

162.041/202/1 8.00 inch.

162.041/203/0 Model 912025.

162.041/207/0 7.00 inch.

162.041/216/0 Model 903001B.

162.041/231/0 Model A6544, in-line flame arrester.

162.041/239/0 Barbron flame arresters models 701510, 701710, 702010, 702210, 702510, 703010, 701517, 701717, 702017, 702217, 702517 and 703017.

Bombardier, Inc., Marine Products Division, Valcourt, Quebec, Canada J0E 2L0

162.041/219/0 Carburetor Assembly; Single: Part No. 273 000 016; Twin: Part No. 273 000 018. Cast aluminum base and cover, aluminum wire cloth arresting element.

Facet Filter Products Division, 8439 Triad Drive, Greensboro, NC 27409

162.041/234/0 Facet model number B175-23, 24, 25, 29, 30, 31, 32, 34, 37.65, 67, A175-69-2, A175-63, B175-61-2.

162.041/235/0 Facet model numbers B175-23A, B175-24A, B175-25A, B175-29A, B175-30A, B175-31A, B175-32A, B175-34A, and B175-37A. Formerly Facet Enterprises.

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162.041/236/0 Facet model number B175-22A, 26A, 27A, 28A, 33A, 36A, 42; B175-39, 40, 44, 76; A175-70, 71 and 68. Formerly Facet Enterprises.
 162.041/237/0 Facet model numbers B175-49, 55, 62, 75, 78, and 177.
 162.041/238/0 Facet Model numbers A175-66 and B175-60 Aluminum backfire Flame arresters.
 162.041/240/0 Facet model numbers 1750078, 1750079, 1750080 and 1750081 Aluminum backfire flame arresters.

Gaffrig Precision Instruments Inc., 2243 North Clybourn, Chicago, IL 60614

162.041/210/0 Model GFA-XXXX-10-X, stainless steel flame arresters, suffix "BT" models equipped with external breather tubes. Due to their similarities these units are grouped together to eliminate a long list of approval numbers.

Jetsport Inc., 3473 State Route 5, Cortland, OH 44410

162.041/233/0 Jetsport Backfire Flame Arrestor Assembly, Ram Air 2302 and 2304. Cast aluminum base and cover, aluminum wire cloth arresting element.

K & N Engineering Inc., 561 Iowa Avenue, P.O. Box 1329, Riverside, CA 92502

162.041/217/0 4-1/2" x 7" dia. stainless steel/plastisol housing.

162.041/218/0 5-1/2" x 9" dia. stainless steel/plastisol housing.

Kawasaki Motors Corp. USA, 2009 East Edinger Ave., P.O. Box 25252, Santa Ana, CA 92799-5252

162.041/205/0 Model JE-C-7901.

162.041/208/0 Model TCB-0200-005.

L & S Engineering, 9856 Everest Street, Downey, CA 90242

162.041/225/0 Model L6S for single carburetor. Four inch diameter aluminum flame arrester with three bolt holes.

162.041/226/0 Model LS7 for single carburetor. Four inch diameter aluminum flame arrester with four bolt holes.

162.041/227/0 Model LS10 for dual carburetors, oval aluminum flame arrester with six boltholes.

Medalist Industries, Universal Motor Division, 1552 Harrison Street, P.O. Box 2508, Oshkosh, WI 54901

162.041/124/0 Universal-Peerless No. 288661.

162.041/125/0 Universal-Peerless No. 296981.

Ocean Pro, 34191 Camino Capistrano, Capistrano Beach, CA 92624

162.041/228/0 Ocean Pro Vortex Flame Arrestor, Model 44 mm and Model 38 & 28 mm, A356 T-6 aluminum top and bottom plates, perforated aluminum interior support.

Outboard Marine Corporation, 100 Sea Horse Drive, Waukegan, IL 60085-2195

162.041/168/0 Model 980032.

162.041/169/0 Model 981566.

162.041/213/0 Model 984956.

162.041/220/0 Model 986059, Lyfanite finishe aluminum body and elements. 5-1/16" diameter base, 77 element arrester height.

162.041/232 OMC Flame Arrestor Assembly, part No. 987147

Volvo-Penta of America, Inc., 1 Volvo Drive, P.O. Box 927, Rockleigh, NJ 07647

162.041/201/0 Model 855018.

Westcoast Performance Products, 1832 North Glassel Street, Orange, CA 92665

162.041/222/0 Model No. CB-226 4 Bolt Billet Machined Round Flame Arrestor.

162.041/223/0 Model No. CB230 Velocity Stack with Built-In Flame Arrestor.

162.041/224/0 Model No. CB232 Velocity Stack with Built-In Flame Arrestor.

162.041/229/0 Model No. CB227 Billet Flame Arrestor with velocity stack.

Woods Energy Products, Inc., A Facet Enterprise, P.O. Box 27128, Tulsa, OK 74149-0128

162.041/45/3 Bendix Model B175-23.

162.041/46/3 Bendix Model B175-24.

162.041/47/3 Bendix Model B175-25.

162.041/48/3 Bendix Model B175-29.

162.041/49/3 Bendix Model B175-30.

162.041/50/3 Bendix Model B175-31.

162.041/51/3 Bendix Model B175-32.

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162.041/52/3 Bendix Model B175-22A.
 162.041/53/3 Bendix Model B175-23A.
 162.041/54/3 Bendix Model B175-24A.
 162.041/55/3 Bendix Model B175-25A.
 162.041/56/3 Bendix Model B175-26A.
 162.041/57/3 Bendix Model B175-27A.
 162.041/58/3 Bendix Model B175-28A.
 162.041/59/3 Bendix Model B175-29A.
 162.041/60/3 Bendix Model B175-30A.
 162.041/61/3 Bendix Model B175-31A.
 162.041/62/3 Bendix Model B175-32A.
 162.041/63/3 Bendix Model B175-33A.
 162.041/71/3 Bendix Model B175-34.
 162.041/72/3 Bendix Model B175-37.
 162.041/73/3 Bendix Model B175-34A.
 162.041/74/3 Bendix Model B175-36A.
 162.041/75/3 Bendix Model B175-37A.
 162.041/105/0 Bendix Model B175-43.
 162.041/106/2 Bendix Model B175-44.
 162.041/136/0 Bendix Model B175-60.
 162.041/177/1 Bendix Models A 175-69-2 and B 175-61-2.
 162.041/194/0 Backfire flame arrester with DuPont Minlon 10B40 cover and aluminum alloy arresting element and base.

162.042 BACKFIRE FLAME CONTROL, GASOLINE ENGINES; ENGINE AIR AND FUEL INDUCTION SYSTEMS

Kawasaki Motors Corp. USA, 2009 East Edinger Avenue, P.O. Box 25252, Santa Ana, CA 92799-5252
 162.042/11/0 Reed Valve Assembly: Kawasaki part number 12021-3704A.
 162.042/14/0 Reed Valve Assembly, Kawasaki part no. 12021-1007B. Assembly is integral part of Kawasaki JS300A series watercraft engines.
 162.042/15/0 Reed Valve Assembly: Kawasaki part number 12021-3706.
 U.S. Marine Power Corp., 105 Marine Drive, Hartford, WI 53027
 162.042/10/0 Reed Valve Air Induction System. For use with U.S. Marine Power Corp's 85 BHP and 125 BHP powerheads.
 Yamaha Parts Distributors, Yamaha Motor Corp. USA, 6555 Katella Ave., P.O. Box 6555, Cypress, CA 90630
 162.042/9/0 Reed Valve Assembly; Yamaha part no. 6H5-13610-00. Assembly is integral part of Yamaha's 32 HP water vehicle engine.
 162.042/12/0 Reed Valve Assembly, Yamaha part no. 6M6-13610-00. Assembly is integral part of Yamaha's 2-stroke, 2-cyl engine for Wave Runner LX watercraft.
 162.042/13/0 Reed Valve Assembly, Yamaha part no. 6R7-13610-00. Assembly is integral part of Yamaha's 6R7 and 6R8 series watercraft engines.

162.044 SOUND SIGNALLING APPLIANCES

The below listed sound signalling appliances comply with the technical requirements for such appliances in the International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III, or the Inland Navigation Rules technical requirements in 33 CFR Part 86.

Cunningham, PO Box 3854, Lacey, WA 98503
 Models 2AS and 2SS, for vessels 20 meters or more in length but less than 75 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
 Model 3AS, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
 Model 5AS. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III; and Inland Navigation Rules at 33 CFR 86.
 Ibuki-Kogyo, Orient Blvd 5-5, 2-Chome Sanno Ohta-Ku, Tokyo, Japan 143
 Model M-2, for vessels 200 meters or more in length.

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- Model MH-2200, for vessels 200 meters or more in length.
- Models A200E, A200ES, A200ESH, 200EAL and 200EAL-H, for vessels 200 meters or more in length. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Model MH-700, Class I, for vessels 75 meters or more in length.
- Model MH-550, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Models 150EAL, 150EALS, 150EAL-H, and 150EALS-H, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Models A150E, A150ES, A150ESH, A150ESS and A150ESSH, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Models A100, A100E and A100EH, for vessels 20 meters or more in length but less than 75 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Models 85EAL and 85EAL-H, for vessels 20 meters or more in length but less than 75 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Model E-150, for vessels 20 meters or more in length but less than 75 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Model E90, Class IV, for vessels less than 20 meters in length.
- Kahlenberg Brothers, PO Box 358, Two Rivers, WI 54241
- Models S-203C and S-203CH, for vessels 75 meters or more in length.
- Model S-120, for vessels 200 meters or more in length.
- Model D-3-261, for vessels less than 200 meters in length.
- Models D-1 and D-2, for vessels 20 meters or more in length but less than 75 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Models S-2, S-3-285, and S-4-250, for vessels 20 meters or more in length but less than 75 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Models T-1 and T-3A, for vessels 20 meters or more in length but less than 75 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Model Q-3A, for vessels 20 meters or more in length but less than 75 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Model KB-20, for vessels less than 75 meters in length.
- Models D-3A, D-4 and D-4A, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Model Q-4, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Model S-56, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Model T-3, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Model Q-3, for vessels 75 meters or more in length but less than 200 meters. Meets Inland Navigation Rules at 33 CFR 86, Subpart A.
- Model S-1, for vessels 20 meters or more in length but less than 75 meters under Inland Rules, vessels less than 20 meters in length under Int. Rules. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Model F-3, for vessels less than 200 meters in length under Inland Rules, for vessels less than 75 meters in length under International Rules. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.
- Model T-2, for vessels less than 75 meters in length.
- Model KDT-123, for vessels less than 75 meters in length.

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Kockkumation (Izumi-Kockums), Fack, 10 Malmo, Sweden S-201

Models MKT 150/90 and MKT 150/110, for vessels 200 meters or more in length. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.

Models MA 18/75 and MA 18/90, for vessels 200 meters or more in length.

Models MKT 230/75 and ST 230/75, for vessels 200 meters or more in length.

Models MKT 150/120, MKT 150/165, MKT 150/200, and MKT 150/330, for vessels 75 meters or more in length, but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.

Models MA 18/130 and MA 18/140, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.

Models MA 75/260, MA 75/350, MA 75/440, and MA 75/660, for vessels 20 meters or more in length but less than 75 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.

Models KT 75/400, CT 75/325, and 75/345, for vessels less than 20 meters in length. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.

Leslie Co, Parsippany, NJ 07054

Models KM-135 and KM/ENC-200, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.

Zollner, Postfach 6540, D-2300 Kiel 14, Federal Republic Of Germany

Model 90AC ZET HORN, for vessels 200 meters or more in length.

Model 130AC, ZET HORN, for vessels 75 meters or more in length.

Models ZM200/90 and ZM200/110, for vessels 200 meters or more in length.

Models 131AC, ZET HORN and 141AC, ZET HORN, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.

Models M 125/130, M 125/140, and M 125/160, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.

Model ZM 75/260, for vessels 75 meters or more in length but less than 200 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.

Models M 75/260, M 75/320, and M 75/370, for vessels 20 meters or more in length but less than 75 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.

Model ZETFON 400/310, for vessels 20 meters or more in length but less than 75 meters. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.

Models ZETFON 50/650 and ZETFON 120/330, for vessels less than 20 meters in length. Meets International Regulations for Preventing Collisions at Sea (72 COLREGS), Annex III.

162.050 OIL POLLUTION PREVENTION EQUIPMENT

The below listed oil pollution prevention equipment is assigned approval numbers as follows:

<u>Equipment</u>	<u>Approval numbers</u>
15 or 100 ppm oil water separators	162.050/1000 - 162.050/1999
Oil content meters - 15 ppm bilge alarms	162.050/3000 - 162.050/3999
Ballast (cargo) monitors - second generation (tested to IMO Resolution A.586(14))	162.050/6000 - 162.050/6999
Oil content meters (0-100 ppm) - bilge monitors	162.050/9000 - 162.050/9999

Blohm & Voss AG, Postfach 100720, D-2000 Hamburg 1, Federal Republic Of Germany

162.050/1192/0 Model TURBULO Compact Separator, type TCS 0.25, 0.25 cu. m/hr, 15 ppm oil water separator.

162.050/1193/0 Model TURBULO Compact Separator, type TCS 0.5, 0.5 cu. m/hr, 15 ppm oil water separator.

162.050/1194/0 Model TURBULO Compact Separator, type TCS 1, 1.0 cu. m/hr, 15 ppm oil water separator.
 162.050/1195/0 Model TURBULO Compact Separator, type TCS 2.5, 2.5 cu. m/hr, 15 ppm oil water separator.
 162.050/1196/0 Model TURBULO Compact Separator, type TCS 5, 5.0 cu. m/hr, 15 ppm oil water separator.
 162.050/1197/0 Model TURBULO Compact Separator, type TCS 10, 10.0 cu. m/hr, 15 ppm oil water separator.
 Bristol Babcock Ltd., 218 Purley Way, Croydon CR9 4HE25, United Kingdom
 162.050/3007/1 Model OPM1 bilge alarm.
 162.050/6001/0 Model OTM 18 oil content meter.
 162.050/9003/0 Model Type OTM2 oil content meter.

Butterworth Systems/Serep OWS, Siege Social, 1 Rue du Pont V, Le Havre 76600, France
 162.050/1018/0 Model SFC 0.5 BW, 0.5 m/hr oil water separator.
 162.050/1019/1 Model SFC 5 BW, 2 cu. m/hr oil water separator.
 162.050/1020/1 Model SFC 8 BW, 5 cu. m/hr oil water separator.
 162.050/1021/1 Model SFC 12 BW, 10 cu. m/hr oil water separator.
 162.050/1171/0 Model SFC 1 BW, 1 cu. m/hr oil water separator.

Facet Quantek Inc., P.O. Box 50096, Tulsa, OK 74150-0096
 162.050/1016/0 Facet Model 3-OWS-2.3/10, 2.3 cu. m/hr oil water separator.
 162.050/1017/0 Model 3-OWS-22.7/100, 22.7 cu. m/hr oil water separator.
 162.050/1022/0 Model 3-OWS-0.5/2.2, 0.5 cu. m/hr oil water separator.
 162.050/1023/0 Model 3-OWS-1/4.4, 1.0 cu. m/hr oil water separator.
 162.050/1024/0 Model 3-OWS-2/8.8, 2.0 cu. m/hr oil water separator.
 162.050/1025/0 Model 3-OWS-3/13.2, 3.0 cu. m/hr oil water separator.
 162.050/1026/0 Model 3-OWS-5/22, 5.0 cu. m/hr oil water separator.
 162.050/1027/0 Model 3-OWS-5.7/25, 5.7 cu. m/hr oil water separator.
 162.050/1028/0 Model 3-OWS-10/44, 10 cu. m/hr oil water separator.
 162.050/1029/0 Model 3-OWS-11.4/50, 11.4 cu. m/hr oil water separator.
 162.050/1030/0 Model 3-OWS-15/66, 15 cu. m/hr oil water separator.
 162.050/1031/0 Model 3-OWS-17.5/77, 17.5 cu. m/hr oil water separator.
 162.050/1032/0 Model 3-OWS-20/88, 20.0 cu. m/hr oil water separator.
 162.050/1033/0 Model 3-OWS-25/110, 25 cu. m/hr oil water separator.
 162.050/1034/0 Model 3-OWS-27.5/121, 27.5 cu. m/hr oil water separator.
 162.050/1035/0 Model 3-OWS-30/132, 30 cu. m/hr oil water separator.
 162.050/1070/0 Model OWS-0.5/2.2, 0.5 cu. m/hr oil water separator.
 162.050/1071/0 Model OWS-1/4.4, 1.0 cu. m/hr oil water separator.
 162.050/1072/0 Model OWS-2.3/10, 2.3 cu. m/hr oil water separator.
 162.050/1073/0 Model OWS-3/13.2, 3.0 cu. m/hr oil water separator.
 162.050/1074/0 Model OWS-5.7/25, 5.7 cu. m/hr oil water separator.
 162.050/1075/0 Model OWS-7.5/33, 7.5 cu. m/hr oil water separator.
 162.050/1076/0 Model OWS-10/44, 10 cu. m/hr oil water separator.
 162.050/1077/0 Model OWS-11.4/50, 11.4 cu. m/hr oil water separator.
 162.050/1078/0 Model OWS-15/66, 15 cu. m/hr oil water separator.
 162.050/1079/0 Model OWS-17.5/77, 17.5 cu. m/hr oil water separator.
 162.050/1080/0 Model OWS-20/88, 20.0 cu. m/hr oil water separator.
 162.050/1081/0 Model OWS-22.7/100, 22.7 cu. m/hr oil water separator.
 162.050/1083/1 Facet Model CPS-10 B15, 2.27 cu. m/hr oil water separator.
 162.050/1084/0 Model 2OWS-0.25/1.1, 2.5 cu. m/hr oil water separator.
 162.050/1085/0 Model 2OWS-0.50/2.2, 0.5 cu. m/hr oil water separator.
 162.050/1086/0 Model 2OWS-1/4.4, 1.0 cu. m/hr oil water separator.
 162.050/1087/0 Model 2OWS-2/8.8, 2.0 cu. m/hr oil water separator.
 162.050/1088/0 Model 2OWS-3/13.2, 3.0 cu. m/hr oil water separator.
 162.050/1089/0 Model 2OWS-4/17.6, 4.0 cu. m/hr oil water separator.
 162.050/1090/0 Model 2OWS-5/22.0, 5.0 cu. m/hr oil water separator.
 162.050/1095/1 Model CPS-3 B15, 0.68 cu. m/hr oil water separator.
 162.050/1115/0 Model 3OWS-68.1/300, 68.1 cu. m/hr oil water separator.
 162.050/1116/0 Model OWS-68.1/300, 68.1 cu. m/hr oil water separator.
 162.050/1130/0 Model 5OWS-5/22, 5.0 cu. m/hr oil water separator.
 162.050/1131/0 Model OWS-27.5/121, 27.5 cu. m/hr oil water separator.
 162.050/1132/0 Model OWS-30/132, 30 cu. m/hr oil water separator.
 162.050/1144/1 Facet Model 1-OWS-2.3/10-15, 2.27 cu. m/hr oil water separator.
 162.050/1146/1 Facet Model 1-OWS-0.25/1.1-15, 0.25 cu. m/hr oil water separator.
 162.050/1147/1 Facet Model 1-OWS-0.5/2.2-15, 0.50 cu. m/hr oil water separator.
 162.050/1148/1 Facet Model 1-OWS-0.68/3.0-15, 0.68 cu. m/hr oil water separator.
 162.050/1149/1 Facet Model 1-OWS-1/4.4-15, 1.0 cu. m/hr oil water separator.
 162.050/1150/1 Facet Model 1-OWS-3/13.2-15, 3.0 cu. m/hr oil water separator.

ENGINEERING EQUIPMENT

162.050/1151/1 Facet Model 1-OWS-4/17.6-15, 4.0 cu. m/hr oil water separator.
 162.050/1152/1 Facet Model 1-OWS-5/22-15, 5.0 cu. m/hr oil water separator.
 162.050/1168/0 Facet Model 3-OWS-91/400-15, 91.0 cu.m/hr oil water separator.
 162.050/1172/0 Model OWS-91/400, 91 cu. m/hr oil water separator.
 162.050/1188/0 Model CPS-22 B15, 5.0 cu. m/hr (22.5 gpm) oil water separator.
 162.050/1189/0 Facet Model 3-OWS-45.5/200 oil water separator.
 162.050/3003/0 Model MARK VI Bilge Alarm.
 162.050/3016/0 Model MARK VIII Bilge Alarm.
 162.050/6004/0 1986 Model MARK IX ballast monitor.
 162.050/9004/0 Model MARK VII bilge monitor.

Fellow Kogyo Co., Ltd., 2-6, 5-Chome, Arakawa, Arakawa-Ku, Tokyo 116, Japan
 162.050/3010/0 Model Focas-1500A bilge alarm.

Hamworthy Pumps & Compressors Ltd, Fleets Corner, Poole, Dorset, United Kingdom BH17 7LA
 162.050/1164/0 Model HS 1 Mark II, 1.0 cu. m/hr oily water separator.
 162.050/1165/0 Model HS 2.5 Mark II, 2.5 cu. m/hr oily water separator.
 162.050/1166/0 Model HS 5.0 Mark II, 5.0 cu. m/hr oil water separator.

Harco Manufacturing Co., 7700 SW 69th Avenue, Portland, OR 97223
 162.050/1135/0 Model Hapco HMC1-2, 0.45 cu. m/hr oil water separator.
 162.050/1136/0 Model Hapco HMC1-4, 0.90 cu. m/hr oil water separator.
 162.050/1137/0 Model Hapco HMC1-6, 1.36 cu. m/hr oil water separator.
 162.050/1143/0 Model Hapco HMC1-8, 1.80 cu. m/hr oil water separator.

Heishin Pump Works Co., Ltd., 527 Furuta, Harima-Cho, Kako-Gun, Hyogo Prefecture 673-01, Japan
 162.050/1037/1 Model HSN-0.25D, 0.25 cu. m/hr oil water separator.
 162.050/1038/1 Model HSN-0.5D, 0.5 cu. m/hr oil water separator.
 162.050/1039/1 Model HSN-1.0D, 1.0 cu. m/hr oil water separator.
 162.050/1040/1 Model HSN-2.0D, 2.0 cu. m/hr oil water separator.
 162.050/1041/1 Model HSN-3.0D, 3.0 cu. m/hr oil water separator.
 162.050/1042/1 Model HSN-5.0D, 5.0 cu. m/hr oil water separator.
 162.050/1043/1 Model HSN-10.0D, 10.0 cu. m/hr oil water separator.
 162.050/1044/1 Model HSN-0.25F, 0.25 cu. m/hr oil water separator.
 162.050/1045/1 Model HSN-0.5F, 0.5 cu. m/hr oil water separator.
 162.050/1046/1 Model HSN-1.0F, 1.0 cu. m/hr oil water separator.
 162.050/1047/1 Model HSN-2.0F, 2.0 cu. m/hr oil water separator.
 162.050/1048/1 Model HSN-3.0F, 3.0 cu. m/hr oil water separator.
 162.050/1049/1 Model HSN-5.0F, 5.0 cu. m/hr oil water separator.
 162.050/1050/1 Model HSN-10.0F, 10.0 cu. m/hr oil water separator.

HF Scientific Inc., 3052 Metro Parkway SE, Fort Myers, FL 33901-7539
 162.050/3009/0 Bilge Alarm.

Hyde Products, 28045 Ranney Parkway, Cleveland, OH 44145-1188
 162.050/1120/0 Model MSS 1.5, 0.34 cu. m/hr, 15 ppm, oil water separator.
 162.050/1121/0 Model MSS 2.2, 0.5 cu. m/hr, 15 ppm, oil water separator.
 162.050/1122/0 Model MSS 3.0, 0.68 cu. m/hr, 15 ppm, oil water separator.
 162.050/1123/0 Model MSS 4.4, 1.0 cu. m/hr, 15 ppm, oil water separator.
 162.050/1124/0 Model MSS 5.0, 1.14 cu. m/hr, 15 ppm, oil water separator.
 162.050/1125/0 Model MSS 8.8, 2.0 cu. m/hr, 15 ppm, oil water separator.
 162.050/1126/0 Model MSS 10.0, 2.27 cu. m/hr, 15 ppm, oil water separator.
 162.050/1127/0 Model MSS-17.6 gpm, 4.0 cu. m/hr oil water separator.
 162.050/1128/0 Model MSS-20.0 gpm, 4.52 cu. m/hr oil water separator.
 162.050/1145/0 Model 4, (25 gpm) oil water separator, Limited to certain Lykes vessels.
 162.050/3011/0 Model Hydalarm, IR-15 bilge alarm.

Inventive Systems, Inc., P.O. Box 220, Lexington Park, MD 20653
 162.050/3013/0 Model BA-200 bilge alarm.
 162.050/9002/0 Model Oil Sentry Marine (OS10CM) bilge monitor.

Kaydon Corporation, 1751 Forest Avenue, P.O. Box 1469, La Grange, GA 30241
 162.050/1180/0 Keene Model 2100 oily water separator.

EQUIPMENT LISTS

Monitek, Inc., 1495 Zephyr Avenue, Haywood, CA 94544
162.050/3004/0 Model 160/829 bilge alarm.

Nalfleet, Bull & Roberts, Inc., 155 Morris Ave., Springfield, NJ 07081
162.050/3012/0 Model Aqualert bilge alarm.
162.050/9006/0 Model Aqualert bilge monitor.

National Marine Services, Inc., National Fluid Separators, 829 Hanley Industrial Ct., St. Louis, MO 63144
162.050/1010/0 Model Bilgemaster I, 2 gpm-0.46 cu. m/hr oil water separator.
162.050/1011/0 Model Bilgemaster I, 5 gpm-1.14 cu. m/hr oil water separator.
162.050/1012/0 Model Bilgemaster I, 10 gpm-2.27 cu. m/hr oil water separator.
162.050/1013/0 Model Bilgemaster II, 2 gpm-0.46 cu. m/hr oil water separator.
162.050/1014/0 Model Bilgemaster II, 5 gpm-1.14 cu. m/hr oil water separator.
162.050/1015/0 Model Bilgemaster II, 10 gpm-2.27 cu. m/hr oil water separator.

Nelson Industries, Inc., Highway 51 West, P.O. Box 428, Stoughton, WI 53589
162.050/1036/0 10 gpm, 2.27 cu. m/hr oil water separator.
162.050/1133/0 Model 10025, 2.5 gpm/0.568 cu. m/hr (Bilge Boys) oil water separator.
162.050/1181/0 Model 10075, 7.5 gpm/1.7 cu. m/hr. (Bilge Boys) oil water separator.

Optec International Ltd, P B 173, Sf-00151 Helsinki, Finland
162.050/6005/0 Model OILI-S 1000 ballast (cargo) monitor - second generation.

Parmatic Esplen & Co. Ltd., Graphic House, 107 Duke Street, Liverpool L1 4JR, United Kingdom
162.050/1096/0 Model COMYN 10, 10 cu. m/hr oil water separator.
162.050/1097/0 Model COMYN 20, 20 cu. m/hr oil water separator.
162.050/1107/0 Model COMYN 1, 1 cu. m/hr oil water separator.
162.050/1108/0 Model COMYN 2.5, 2.5 cu. m/hr oil water separator.
162.050/1109/0 Model COMYN 5, 5 cu. m/hr oil water separator.

Parmatic Pollution Control Corp., 88 Ford Road, Denville, NJ 07834-1634
162.050/1091/0 Model S1-04, 0.9 cu. m/hr oil water separator.
162.050/1092/1 Model S1-08 (modified), 1.80 cu. m/hr oil water separator.
162.050/1093/0 Model S1-16, 3.60 cu. m/hr oil water separator.
162.050/1094/0 Model S1-20, 4.50 cu. m/hr oil water separator.
162.050/1155/0 Model S1-25, 5.68 cu. m/hr oil water separator.
162.050/1169/0 Model S1-0.5T, 0.45 cu. m/hr oil water separator.
162.050/1176/0 Model S1-1T, 0.9 cu. m/hr oil water separator.
162.050/1177/0 Model S1-2T, 1.8 cu. m/hr oil water separator.
162.050/1179/0 Model S1-7.5T, 7.27 cu. m/hr oil water separator.
162.050/1182/0 Model S1-08, 1.80 cu. m/hr oil water separator (originally 162.050/1092/0).
162.050/1183/0 Model S1-3.5T, 3.50 cu. m/hr oil water separator.
162.050/1184/0 Model S1-08-OWS(H), 1.80 cu. m/hr oil water separator.
162.050/1185/0 Model S1-08-OWS(J), 1.80 cu. m/hr oil water separator.
162.050/1187/0 Model S1-10-OWS, 2.27 cu. m/hr oil water separator.
162.050/1191/0 Model S1-1/2T-OWS, 0.45 cu. m/hr, 15 ppm, oil water separator.
162.050/1198/0 Model S1-12T-OWS, 11.36 cu. m/hr oil water separator.

Red Fox Environmental Services, Inc., P.O. Box 53809, Lafayette, LA 70505-3809
162.050/1129/0 Model OWS-5, 1.14 cu. m/hr oil water separator.

Refining Systems Of Florida, Inc., 6713 Grand Bahama Drive, Tampa, FL 33615
162.050/A1133/0 PETRO-ELIMINATOR Model OWS-1000SS-3, 150 gph (2.5 gpm)-0.568 cu. m/hr oil water separator. Maximum throughput of system: 0.568 cu. m/hr (2.5 gpm). Measured oil content of effluent less than 15 ppm.
162.050/A1181/0 PETRO-ELIMINATOR Model OWS-2000SS-8, 528 gph (8.8 gpm)-2.26 cu. m/hr oil water separator. Maximum throughput of the system: 2.26 cu. m/h (8.8 gpm). Measured oil content of effluent less than 15 ppm.

Rivertrace Engineering Ltd., Unit 5, Astra Business Center, Bonehurst Road, Salfords, Surrey RH1 5TL, United Kingdom
162.050/3019/0 Model OCD 1 bilge alarm.
162.050/3020/0 Model OCD 2 bilge alarm.

ENGINEERING EQUIPMENT

RWO Maschinenfabrik GmbH, Am Dammacker 12, 2800 Bremen 1, Federal Republic of Germany

- 162.050/1156/0 Model GSF 0.25, 0.25 cu. m/hr oil water separator.
- 162.050/1157/0 Model GSF 0.5, 0.5 cu. m/hr oil water separator.
- 162.050/1158/0 Model GSF 1.0, 1.0 cu. m/hr oil water separator.
- 162.050/1159/0 Model GSF 1.5, 1.5 cu. m/hr oil water separator.
- 162.050/1160/0 Model GSF 2.5, 2.5 cu. m/hr oil water separator.
- 162.050/1161/0 Model GSF 5.0, 5.5 cu. m/hr oil water separator.
- 162.050/1162/0 Model GSF 7.5, 7.5 cu. m/hr oil water separator.
- 162.050/1163/0 Model GSF 10, 10 cu. m/hr oil water separator.

Sciencco/Fast Systems, 3240 North Broadway, St Louis, MO 63147

- 162.050/1110/1 Model Pace S-1, 0.5 cu. m/hr, 15 ppm oil water separator.
- 162.050/1111/1 Model Pace S-2, 1.25 cu. m/hr, 15 ppm oil water separator.
- 162.050/1112/1 Model Pace S-3, 2.5 cu. m/hr, 15 ppm oil water separator.
- 162.050/1113/1 Model Pace S-4, 5.0 cu. m/hr, 15 ppm oil water separator.
- 162.050/1114/1 Model Pace S-5, 10.0 cu. m/hr, 15 ppm oil water separator.

Separation and Recovery Systems, 16901 Armstrong Avenue, Irvine, CA 92714

- 162.050/1001/0 Sarex Model 10 GPM/OWS, 2.27 cu. m/hr oil water separator.
- 162.050/1002/0 (old 162.050/0121/2) Model SAREX 10 gpm/VGS, 2.27 cu. m/hr oil water separator.
- 162.050/1003/0 Sarex Model 2 GPM/VGS, 0.45 cu. m/hr oil water separator.
- 162.050/1004/0 Sarex Model 100 GPM/OWS, 22.7 cu. m/hr oil water separator.
- 162.050/1005/0 Sarex Model 20 GPM/VGS, 4.54 cu. m/hr oil water separator.
- 162.050/1006/0 (old 162.050/0121/6) Model SAREX 5 gpm/OWS, 1.14 cu. m/hr oil water separator.
- 162.050/1007/0 Sarex Model 60 GPM/OWS, 13.62 cu. m/hr oil water separator.
- 162.050/1008/0 Sarex Model 20 GPW/OWS, 4.54 cu. m/hr oil water separator.
- 162.050/1009/0 Sarex Model 1 GPM/VGS, 0.227 cu. m/hr oil water separator.
- 162.050/1054/0 Model SAREX 25 gpm/VGS, 5.675 cu. m/hr oil water separator.
- 162.050/1055/0 Model SAREX 50 gpm/VGS, 11.35 cu. m/hr oil water separator.
- 162.050/1178/0 Sarex Model 5 GPM/VGS, 1.14 cu. m/hr oil water separator.
- 162.050/3001/0 Sarex Model BA-1 bilge alarm.
- 162.050/3002/0 Sarex Model OCA-1 bilge alarm.

Seres, Rue Albert Einstein, Z.I. d'Aix-en-Provence, 13763 Les Milles Cedex, France

- 162.050/3014/0 Model BWAM S-646 bilge alarm.
- 162.050/6000/0 Model ODME S.663 Mark II cargo monitor (with Westfalia separator).
- 162.050/6003/3 Model ODME S.663 MK III and ODME S.663 MK III (Annex II) ballast (cargo) monitor - second generation.

Shimadzu Corporation, 1, Nishinokyo-Kuwabaracho, Nakagyo Ku Kyoto, Japan 604

- 162.050/3005/0 Model ET-30A bilge alarm.
- 162.050/3018/0 1992 Model ET-35A oil content meter.

Stork Services BV, Industrieplein 1, P.O. Box 2013, 7550 CA Hengelo (OV), Netherlands

- 162.050/1063/0 Model AQUAMARIN-1, 1 cu. m/hr oil water separator.
- 162.050/1064/0 Model AQUAMARIN-2.5, 2.5 cu. m/hr oil water separator.
- 162.050/1065/0 Model AQUAMARIN-5, 5 cu. m/hr oil water separator.
- 162.050/1066/0 Model AQUAMARIN-10, 10 cu. m/hr oil water separator.
- 162.050/1067/0 Model AQUAMARIN MK II, 0.25 cu. m/hr oil water separator.
- 162.050/1068/0 Model AQUAMARIN MK II, 0.5, 0.5 cu. m/hr oil water separator.
- 162.050/1069/0 Model AQUAMARIN MK II-1, 1.0 cu. m/hr oil water separator.

Taiko Kikai Industrial Co. Ltd., 209 Shimotabuse, Tabuse-Cho, Kumage-Gun, Yamaguchi Prefecture 742-15, Japan

- 162.050/1056/0 Model UST-01, 0.15 cu. m/hr oil water separator.
- 162.050/1057/0 Model UST-03, 0.25 cu. m/hr oil water separator.
- 162.050/1058/0 Model UST-05, 0.50 cu. m/hr oil water separator.
- 162.050/1059/0 Model UST-10, 1.0 cu. m/hr oil water separator.
- 162.050/1060/0 Model UST-20N, 2.0 cu. m/hr oil water separator.
- 162.050/1061/0 Model UST-30N, 3.0 cu. m/hr oil water separator.
- 162.050/1062/0 Model UST-50N, 5.0 cu. m/hr oil water separator.

Tesco Engineering Corporation, 21-44, 2-Chome Takanawa Minato-Ku, Tokyo 108, Japan

- 162.050/1098/0 Model OPE OS-0.1, 0.1 cu. m/hr oil water separator.
- 162.050/1099/0 Model OPE OS-0.2, 0.2 cu. m/hr oil water separator.

EQUIPMENT LISTS

162.050/1100/0 Model OPE OS-0.5, 0.5 cu. m/hr oil water separator.
 162.050/1101/0 Model OPE OS-1.0, 1.0 cu. m/hr oil water separator.
 162.050/1102/0 Model OPE OS-2.0, 2.0 cu. m/hr oil water separator.
 162.050/1103/0 Model OPE OS-5.0, 5.0 cu. m/hr oil water separator.

VAF Instruments B.V., PO Box 40, NL-3300 AA Dordrecht, Netherlands

162.050/3017/0 Model C11-15ppm bilge alarm.
 162.050/6002/1 OILCON Mk 4C and Mk 4 (Annex II) ballast (cargo) monitor - 2nd generation.

World Water Systems, Ltd., P.O. Box 3427, Tustin, CA 92681

162.050/1138/0 Model Heli-Sep 500, 0.5 cu. m/hr oil water separator.
 162.050/1139/0 Model Heli-Sep 1000, 1.0 cu. m/hr oil water separator.
 162.050/1140/0 Model Heli-Sep 2000, 2.0 cu. m/hr oil water separator.
 162.050/1141/0 Model Heli-Sep 2500, 2.5 cu. m/hr oil water separator.
 162.050/1142/0 Model Heli-Sep 5000, 5.0 cu. m/hr oil water separator.
 162.050/1167/0 Model Heli-Sep 10000, 10 cu. m/hr oil water separator.
 162.050/1186/0 Model Heli-Sep 2500A, 2.5 cu. m/hr oil water separator.
 162.050/1190/0 Heli-Sep Model 5000-D oil water separator.
 162.050/3015/0 Model BA-100 bilge alarm.

Yamatake-Honeywell Co., Ltd., Totate-International Bldg., 2-12-19 Shibuya, Shibuya-Ku, Tokyo 150, Japan

162.050/3006/0 Oil-a-lyzer Type A, Model KOAL, KOAR Bilge Alarm.

162.055 OIL WATER INTERFACE DETECTORS

Marine Moisture Control Co., Inc., 50/60 Inip Drive, Inwood, L.I., NY 11696-1096

162.055/1/0 Models B2220 & D2319 (may also be marked 162.055/8001/0).
 162.055/3/0 Models B2401 & D2401 (may also be marked 162.055/8003/0).

TS Tanksystems S.A., Rue De l'Industrie 2, Ch-1630 Bulle, Switzerland

162.055/2/0 Model Hermetic UTI, UTI-GT, UI, and UI-GT portable oil water interface detectors. Intrinsically safe for use in Class I, Division I, Groups C and D Hazardous Locations only.

CONSTRUCTION

163.002 PILOT HOISTS

Alexander Manufacturing & Service Co., Inc., P.O. Box 51886, New Orleans, LA 70151

163.002/1/0 Air Powered Pilot Hoist Model M-80, Working Load 497 lb, Lift Height 74 ft.

Chuo Kogyo Ltd., No. 80 Yaraicho, Shinjuku-Ku, Tokyo, Japan

163.002/2/2 Electrically powered Pilot Hoist Models PHL-EE-T and PHL-EE-S. Working load 230 kg (525 lb), Lift Height 20.9 m (69 ft.).

163.003 PILOT LADDERS

A. L. Don Co., Foot of Dock Street, Matawan, NJ 07747

163.003/11/0 Model DJM pilot ladder, 90 ft. maximum length.

163.003/17/0 Model DJM-2 pilot ladder, 90 ft. maximum length.

Alexander Manufacturing & Service Co., Inc., P.O. Box 51886, New Orleans, LA 70151

163.003/10/0 Pilot ladder for use only with Alexander pilot hoist.

Apollo Marine Specialties, 4227 Royal Street, New Orleans, LA 70117

163.003/12/0 Adonic II pilot ladder, 150 ft. maximum length.

163.003/19/0 Adonic I pilot ladder, 150 ft. maximum length.

Chuo Kogyo Ltd., No. 80 Yaraicho, Shinjuku-Ku, Tokyo, Japan

163.003/18/0 Pilot Ladder, all synthetic construction, for Chuo Kogyo Pilot Hoist number 163.002/2/2. Made for Chuo Kogyo by Coast Marine. Ladder assembled by Comar and Hoist fitting installed by Chuo Kogyo.

Coast Marine & Industrial Supply, 398 Jefferson Street, San Francisco, CA 94133

163.003/4/0 COMAR MARK I Pilot Ladder, all-synthetic construction. Maximum ladder length 160 ft. Replaces Type 1 Embarkation-Debarcation Ladder formerly approved under 160.017.

MATERIALS

164.005 DECK ASSEMBLIES

ASK Corporation, 10-6, 7-Chome, Ginza, Chuo-Ku, Tokyo, Japan
164.005/2/1 ASK "Marlite SR-F" meeting A-60 criteria.

Isolamin AB, S-95184 Lulea, Sweden
164.005/1/0 "Floating Floor, Types FF73 and FF53" deck assemblies, approved as meeting class A-60 criteria in 70mm and 50mm thickness, respectively. To be installed in accordance with manufacturer's approved drawing No. ID-2003B.

164.006 DECK COVERINGS

NOTE: Shipping containers must be marked with the approval number. The thickness listed is approved for Class A-60 deck construction unless otherwise noted.

Crossfield Products Corp., 140 Valley Road, Roselle Park, NJ 07204
164.006/23/0 "DEX-O-MAGNABOND NO. 1" mastic & magnesite mtg. A-15 w/ 1/4" DEX-O-TEX Subcote No. 1 underlay + 3/8" magnesite overlay.
164.006/58/0 "DEX-O-TEX MAGNABOND NO. 1" mastic & mag. w/ 1/4" DEX-O-TEX Subcote No. 1 underlay + 1-1/2" "Insulite II" mag. overlay.
164.006/59/0 "DEX-O-TEX MAGNABOND NO. 1" mastic & mag. mtg. A-30 w/ 1/4" DEX-O-TEX Subcote No. 1 underlay + 1" Insulite II mag. overlay.

E. H. O'Neil Co., Inc., 5515 Belair Road, Baltimore, MD 21206
164.006/50/0 "Insulite I" perlite aggregate oxychloride cement deck covering meeting A-15 at 1" thickness.
164.006/56/0 "Insulite II" magnesite deck covering.
164.006/61/0 "Insulite I" oxychloride cement deck covering, 1-1/2" thick over 1/8" Magnabond No. 3 underlay.

Hubbelite International Inc., 438 Division Street, Sewickley, PA 15143
164.006/60/0 "Hubbelite" magnesite deck covering, approved for use without other insulating material as meeting class A-30 requirements in 1-3/8 inches.

Laticrete International Inc., 1 Laticrete Park North, Bethany, CT 06525
164.006/62/0 Composite deck covering meeting A-30 with 1" thick Insulating Underlayment No. 268 plus 1/4" thick Ship Deck Covering.

Selby, Battersby & Co., 5220 Witby Avenue, Philadelphia, PA 19143
164.006/2/0 "SELBALITH" magnesite deck covering, 1-1/2" thick.
164.006/52/0 "Selbalith 7K-FR" magnesium oxychloride cement type deck covering, approved as meeting Class A-60 requirements in 1 1/2 inch thickness.
164.006/63/0 "Selbalith 7K" magnesite deck covering over 1/4 in maximum "Selbagrip" bonding medium. Approved as A-60 in 1.35 in total thickness.

164.007 STRUCTURAL INSULATIONS

NOTE: Shipping containers must be marked with the approval number. The thicknesses and densities listed are approved for Class A-60 construction unless otherwise noted.

American Energy Products Corp., 1175 E Garvey Street, Covina, CA 91724
164.007/41/1 Type "JN" sprayed fiber approved as meeting Class A-60 requirements in a tamped thickness of 1 3/4 inches, and nominal density of 9 lb/cu. ft.

Ansul Fire Protection, One Stanton Street, Marinette, WI 54143
164.007/65/0 "Fyrefyba", ceramic fiber type, 2" thick at 5 lb/cu. ft.

ASK Corporation, 10-6, 7-Chome, Ginza, Chuo-Ku, Tokyo, Japan
164.007/54/1 ASK "Rock Fine Board -N", No. 120 and No. 150, mineral wool, 60 mm thick at 120 kg/cu. m, and 50 mm thick at 150 kg/cu. m.

EQUIPMENT LISTS

- Babcock and Wilcox, Insulating Products Div., 2102 Old Savannah Road, P.O. Box 923, Augusta, GA 30906
164.007/61/0 "Sponge with Foil", ceramic fiber type, meeting A-30 criteria at 3 layers, each 1" thick at 1.25 lb/cu. ft.
- Carborundum Co., Insulation Div., P.O. Box 808, Niagara Falls, NY 14302
164.007/59/0 "Fiberfax Durablanket", ceramic fiber type, 2" thick at 5 lb/cu. ft.
- Keumkang Ltd., 485-1 Sinsa-Dong, Kangnan-Ku, Seoul, South Korea
164.007/58/0 "Hi-Wool" Type W-205, mineral wool type, 100 mm thick at 120 kg/cu. m.
164.007/68/0 "Hi-Wool Board", mineral wool type, 75 mm thick at 110 kg/cu. m.
- Nichias Corp., No. 1-26, 1-Chome, Shibadaimon, Minato-Ku, Tokyo 105, Japan
164.007/57/0 "MG Board 150", mineral wool type, 50 mm, 100 mm, and 150 mm thick at 8.6 lb/cu. ft. (137.5 kg/cu. m).
- Partek Corporation, P.O. Box 61, SF-0051 Melsinki, Finland
164.007/69/0 Type PV-F110L mineral wool, 50 mm thickness at 110 kg/cu. m.
- Partek Insulations, Ltd., 561 Scott Rd., P.O. Box 2079, Sarnia, Ontario, Canada N7T 7L4
164.007/53/0 "Paroc" Marine Board (MB) in 2 1/2" min. thickness and 8 lb/cu. ft. nominal density, and 3" min. thickness and 6 lb/cu. ft. nominal density.
- Rock Wool Manufacturing Co., P.O. Box 506, Leeds, AL 35094
164.007/64/0 "Delta Board" mineral wool type, meets Class A-60 requirements in 2-1/2" minimum thickness at 8 lb/cu. ft. density, and in 4" minimum thickness at 6 lb/cu. ft. density. Meets A-30 requirements in 2" min. thickness at 8 lb/cu. ft. density.
- Rockwool AS, DK-2640 Hedehesene, Denmark
164.007/55/0 Rockwool "Marine Firebatts 110" mineral wool type structural insulation.
- Thermal Ceramics, 2102 Old Savannah Road, P. O. Box 923, Augusta, GA 30906
164.007/60/0 "Fire Master Blanket", ceramic fiber type structural insulation.
- United States Mineral Products Co., Stanhope, NJ 07874
164.007/62/0 "Cafcote 280", sprayed mineral fiber type, 1-1/2" thick at 15.5 lb/cu. ft.
164.007/63/0 "Cafcote 800", sprayed mineral fiber, meeting A-60 criteria at 1-1/4" thick, 44 lb/cu. ft.; A-30 criteria at 3/4" thick.
- USG Corporation, 101 South Wacker Drive, Chicago, IL 60606
164.007/40/0 "Thermafiber Industrial Felt" Mineral wool insulation approved as meeting Class A-60 requirements.
164.007/66/0 "Cafco Deck Shield C/F", sprayed fiber type, 1-1/2" thick at 13.1 lb/cu. ft.
164.007/67/0 "Cafco Blaze Shield D C/F", sprayed fiber type, 1-3/4" thick at 9.7 lb/cu. ft.

164.008 BULKHEAD PANELS

NOTE: Shipping containers must be marked with the approval number. The constructions listed are approved as meeting Class B-15 requirements and may be used as components in Class A-60, A-30, and A-15 construction unless otherwise noted. Must be installed in accordance with approved typical installation drawings.

- Asberit SA, P.O. Box 716, Rio de Janeiro, Brazil
164.008/113/0 "Thermolite 650 SA", 7/8" (22 mm) thick at 50 lb/cu. ft. (800 kg/cu. m), may not be used as a component of A-60 const.
- ASK Corporation, 10-6, 7-Chome, Ginza, Chuo-Ku, Tokyo, Japan
164.008/92/0 "ASK Marilite G-P", 19 mm & 22 mm thick at 42-1/2 lb/cu. ft., may be used only as a component of A-15 construction.
164.008/124/0 "ASK Marilite SR-O", 50 mm thick, may be used as a component of A-30 construction.
- Blohm & Voss AG, Postfach 100720, D-2000 Hamburg 1, Federal Republic of Germany
164.008/110/0 "M1000-D", may be used as a component of A-30 construction.
164.008/111/0 "M1000-S", 50 mm thick, may be used as a component of A-30 construction.

MATERIALS

BNZ Materials, Inc., 6901 South Pierce Street, Suite 260, Littleton, CO 80123

164.008/94/1 "Marinite M" calcium silicate panel approved as meeting Class B-15 requirements in 3/4 inch thickness and as a component of Class A-60 construction.

164.008/103/0 "Marinite ML", 3/4" thick.

Bu-II Industries Co., Ltd., 35 Sozoo-RI, Woongsangmyunyangsen-Gun, Kyungnam, South Korea

164.008/136/0 BIP W-108 steel-faced mineral wool bulkhead panel.

164.008/144/0 "BU-IL BIP W-102" steel-faced mineral wool bulkhead panels.

Cape Industrial Products, Ltd., Germiston Works, Peterhill Road, Glasgow G21 4AU, Scotland

164.008/84/0 "Cape Marine Board", calcium silicate panels approved as meeting Class B-15 requirements in 19 mm min. thickness and 640 kg/cu. m. nominal density.

Dansk Eternit-Fabrik AS, Sonngaardsholmsvej 2, P.O. Box 763, DK-9100 Aalborg, Denmark

164.008/119/0 "Navalite N", 3/4" (19 mm) thick at 50 lb/cu. ft. (800 kg/cu. m).

Hopeman Brothers, Inc., 435 Essex Avenue, Waynesboro, VA 22980

164.008/66/0 "Memphis 1-3/8" bulkhead panel, approved as meeting Class B-0, may not be used as a component of A-Class construction.

164.008/67/0 "Memphis 2-1/32" bulkhead panel, approved as meeting Class B-0, may not be used as a component of A-Class construction.

164.008/68/0 "Beta 100" steel-faced gypsum building unit.

164.008/142/0 Type "Verma-Light-T" Vermiculite panels approved as meeting Class B-15 requirements in min. thickness of 19 mm and nominal density of 700 kg/cu. m.

164.008/143/0 Type "Verma-Light-F" Vermiculite panels approved as meeting Class B-15 requirements in min. thickness of 19 mm and nominal density of 800 kg/cu. m.

Isolamin AB, S-95184 Lulea, Sweden

164.008/95/0 Type 33A mineral wool core, steel-faced bulkhead panels, 50 mm thick.

164.008/96/0 Type 33C mineral wool core, steel-faced bulkhead panels, 50 mm thick.

164.008/97/0 Type 45A two mineral wool core, steel-faced bulkhead panels, separated by 30 mm air gap, 80 mm thick.

164.008/106/1 "Ecomax Wall Element 632", 2" thick.

164.008/107/1 "Ecomax Wall Element 671", 2" thick.

164.008/127/0 Type 42C50 and 42E70, 50 mm and 70 mm thick.

164.008/128/0 Type 43C50 and 43E50, 50 mm thick.

164.008/138/0 Type 30C50 steel-faced fiberglass wool bulkhead panels, approved as meeting Class B-15 requirements in a minimum thickness of 50 mm.

164.008/139/0 Type 33C25 steel-faced mineral wool bulkhead panels, approved as meeting Class B-0 requirements in a minimum thickness of 25 mm. May not be used in the construction of A-15, A-30, and A-60 bulkheads.

Isovolta AG, A-2351 Wiener Neudorf, Austria

164.008/114/0 "Thermax SN", 19 mm thick, 700 kg/cu. m.

Jamestown Metal Marine Sales, Inc., 4710 Northwest Second Ave., Suite 400, Boca Raton, FL 33431

164.008/115/0 "Unimet B-1" steel-faced gypsum bulkhead panels, appr. as meeting Class B-15 req. with an omega joint. May be used as a component in A-60 construction.

164.008/116/0 "Unimet B-1" steel-faced gypsum bulkhead panels, approved as meeting Class B-0 req. with an H-Post joint. Not to be used in A-Class construction.

Keller-Klingnau, 5313 Klingnau, Switzerland

164.008/117/0 "Vermipan", 19 mm thick at 810 kg/cu. m, may be used as a component of A-60 construction with omega joint.

Kvaerner Masa-Yards Inc., Piikkio Works, Sf-21500 Piikkio, Finland

164.008/131/0 Type "WAS" steel-faced mineral wool bulkhead panels.

Lifetime Industries, Inc., 412 Ash, McAllen, TX 78501

164.008/98/0 Marine Environmental Systems, Inc. bulkhead panel.

164.008/99/0 Marine Environmental Systems, Inc. bulkhead panel.

164.008/140/0 Bulkhead panel assembly consisting of calcium silicate panels and mineral wool, approved as meeting class B-15 requirements. Assembly with "hat" joint may be used as a comp. of A-60 construction.

EQUIPMENT LISTS

Nichias Corp., No. 1-26, 1-Chome, Shibadaimon, Minato-Ku, Tokyo 105, Japan
 164.008/105/0 "Marine Board K-650", w/ spline joint may be used in A-Class construction, w/ omega joint may not be used in A-Class const.

NORAC AS, P.O. Box 1593 Myrene, N-4801 Arendal, Norway
 164.008/134/0 AKERPANEL Type C-600 steel-faced mineral wool bulkhead panels.
 164.008/135/0 AKERPANEL Type K-600 steel-faced mineral wool bulkhead panels.

PABCO, Div. of Fibreboard Corp., 1110-16th Road, Fruita, CO 81521
 164.008/109/0 "Super Marine Temp", 3/4" thick at 38 lb/cu. ft.
 164.008/125/0 "Super Marinetemp", 3/4" thick at 28 lb/cu. ft.
 164.008/133/0 PABCO "Super Marinetemp" bulkhead panels and structural insulation, approved as meeting A-60 bulkhead criteria in a special combination.

Rockfon A/S, Hovedgaden 501, DK-2640 Hedehusene, Denmark
 164.008/104/0 "TNF Type 3S", bulkhead panels approved as meeting Class B-15 requirements, in an overall thickness of 50 mm and nominal density of 150 kg/cu. meter.
 164.008/118/0 "TNF" TYPE 2 S" bulkhead panels,
 164.008/126/0 "TNF Type 2S", steel-faced mineral wool bulkhead panels, approved as meeting class B-15 requirements in nominal thickness of 50 mm.
 164.008/137/0 TNF Type 9S steel-faced mineral wool bulkhead panels.

SBA Interior, Oy Svarta Bruk AB, SF-10360 Svarta, Finland
 164.008/122/0 JMC-Type 33 dB, approved as meeting Class B-15 requirements in 50 mm minimum thickness and 150 kg/cu. meter nominal mineral wool density.

Sunar Hauserman, Inc., 5711 Grand Avenue, Cleveland, OH 44105
 164.008/64/1 "Double Wall" bulkhead panel.

USG Interiors, Inc., 101 South Wacker Avenue, Chicago, IL 60606
 164.008/101/0 "Crusader Marine" double wall gypsum bulkhead panels, approved as meeting Class B-15 requirements.

164.009 NON-COMBUSTIBLE MATERIALS

3M Company, 3M Center, St. Paul, MN 55144-1000
 164.009/279/0 "Endothermic Mat", ceramic fiber, density 32 lb/cu. ft.
 164.009/280/0 "3M Nextel 312", woven ceramic fiber, density 53 lb/cu. ft.

A. P. Green Refractories Co., Inswool Div., Corner 69A & 69 Highway, Pryor, OH 74362
 164.009/289/0 "Inswool-HP Blanket" ceramic fiber blanket, density 4 to 6 lb/cu. ft.

American Energy Products Corp, 1175 E. Garvey Street, Covina, CA 91724
 164.009/312/0 Type "JN" sprayed fiber insulation, approved in nominal density of 13.5 pounds per cubic foot.

Armstrong World Industries, Inc., 2500 Columbia Ave., Lancaster, PA 17604
 164.009/215/0 "Ceramaguard", ceramic ceiling tile, density 27 lb/cu. ft.

Asahi Fiberglass Co. Ltd., P.O. Box 5019, Shinjuku Diichi, Seimei Shinjuku-Ku, Tokyo, Japan
 164.009/294/0 GW- and GC- series fiberglass boards of various types and densities.
 164.009/295/0 GW- and GC- series fiberglass batts and blankets of various types and densities.

ASK Corporation, 10-6, 7-Chome, Ginza, Chuo-Ku, Tokyo, Japan
 164.009/216/0 "ASK Rock Fine Board -N", No. 80, rock wool insulation board, density 5.6 lb/cu. ft.
 164.009/245/0 "ASK Feather Silica Cover", density 170 kg/cu. m.
 164.009/246/0 "ASK Marilite G-PH", density 1000 kg/cu. m.
 164.009/247/0 "ASK High Heat Board -G", density 170 kg/cu. m.
 164.009/284/0 "ASK Rock Fine Board -N", No. 60, mineral wool batt, density 60 kg/cu. m.

Blohm & Voss AG, Postfach 100720, D-2000 Hamburg 1, Federal Republic of Germany
 164.009/251/0 "Rockwool RP-L15" or "RPB15" mineral wool, density 150 kg/cu. m.
 164.009/252/0 "Rockwool RP-L12" mineral wool, density 120 kg/cu. m.
 164.009/253/0 "Rocklit" mineral wool, density 330 kg/cu. m.
 164.009/254/0 "Solaton" mineral wool, density 400 kg/cu. m.

MATERIALS

BNZ Materials, Inc., 6901 South Pierce St., Suite 260, Littleton, CO 80123

164.009/166/0 N. B. R. 375 cement, composed entirely of Portland Cement, Ball Clay, Mineral wool and diatomaceous earth.

164.009/167/0 N. B. R. 460 cement, composed entirely of mineral wool, slate dust, Ball Clay, Bentonite, Carboxyl Methyl Cellulose, and diatomaceous earth.

B P Chemicals (Hitco) Inc, Fiber And Materials Div, 160 West 135th Street, Gardena, California 90249

164.009/194/0 "Refrasil", silicon dioxide cloth fabric Type UC100-48.

164.009/320/0 "Refrasil", silicon dioxide cloth fabric Type UC100-96, approved in thickness of 1.4 mm.

Bu-II Industries Co., Ltd, 35 Sozoo-Ri Woongsang-Up, Yangsan Gun Kyungnam, South Korea

164.009/325/0 BIP Type W-151 steel-faced mineral wool panels.

Certaineed Products Corporation, 1400 Union Meeting Road, P.O. Box 1100, Blue Bell, PA 19422-0761

164.009/213/0 "Type 850 Snap-On" fiberglass pipe insulation, density 5.0 lb/cu. ft., diameters 1-1/2" to 36"

164.009/221/0 "Ultralight" fiberglass blanket approved in a nominal density of 0.85 to 1.65 lb/cubic ft.

164.009/263/0 "High Temperature Blanket, Type I" fiberglass blankets in nominal densities of 1.0 pounds per cubic foot.

164.009/266/0 "High Temperature Blanket, Type II" fiber glass blankets in nominal density of 2.4 pounds per cubic foot.

164.009/278/0 "Utility Blanket" fiberglass insulation approved in a nominal density range of 0.65 to 2.4 pounds per cubic foot.

164.009/315/0 "Huliboard" fiberglass insulation approved in a nominal density of 2.75 lb/cubic ft.

Dampa AS, DK-5690 Tommerup, Denmark

164.009/223/0 DAMPA Types 308 and 315 mineral wool approved in nominal densities of 1.4 lb/cu. ft. (22.4 kg/cu. m.) and 1.6 lb/cu. ft. (25.6 kg/cu. m.), resp.

Deutsche Rockwool Mineralwool GmbH, Bottroper Strasse 241, D-4390 Gladbeck, Federal Republic of Germany

164.009/297/0 Mineral wool batt Type RBM, approved in nominal density of 100 kg/cu m.

164.009/298/0 Mineral wool blanket Types RTD-1, RTD-2, and RTD-S. Approved in nominal densities of 70, 80, and 90 kg/cu. m, respectively.

164.009/299/0 Mineral wool board Types RPB-9, RPB-12, RPB-15, and RPB-18. Approved in nominal densities of 85, 110, 155, and 175 kg/cu m, respectively.

164.009/300/0 Mineral wool board Types RPF-40 and RPF-50. Approved in nominal densities of 40 and 50 kg/cu m, respectively.

Domtar Gypsum, 24 Frank Lloyd Wright Dr., PO Box 543, Ann Arbor, MI 48106

164.009/317/0 "Eurostone" acoustic ceiling tile, approved in nominal density of 19 1/2 pounds per cubic foot.

Foster Products Corp., an H. B. Fuller Company, 1200 Wolters Boulevard, Vadnais Heights, MN 55110

164.009/78/0 "Foster Insulfas Adhesive 81-15".

Gullfiber AB, 26050 Billeholm, Sweden

164.009/274/0 Type 3019 Gullfiber noncombustible material approved in nominal density of 18 kg/cu. meter (1.1 pounds/cu. ft.).

164.009/275/0 Type 3030 Minwool noncombustible material approved in nominal density of 91 kg/cu. meter (5.7 pounds/cu. ft.).

164.009/277/0 Molded fiberglass duct insulation approved in nominal density of 150 kg/cu. meter.

Hankuk Glass Industry Co., Ltd., 45-1, Yeoeuido-Dong, Youngdeung-Ku, Seoul, South Korea

164.009/291/0 Glass Wool Board HB32 through HB120, approved in nominal densities of 32 through 120 kg/cu. meter, inclusive.

164.009/292/0 Glass Wool Pipe Cover, Type HP, approved in nominal densities of 60 and 80 kg/cu. meter, respectively.

164.009/293/0 Glass Wool Batt HT16 through HT24, approved in nominal density of 16 through 24 kg/cu. meter, inclusive.

Hopeman Brothers, Inc., 435 Essex Ave., Waynesboro, VA 22980

164.009/205/0 No. 703 aluminum foil faced fiberglass insulation, density 3/4 lb/cu. ft.

164.009/206/0 No. 707 aluminum foil faced fiberglass insulation, density 3/4 lb/cu. ft.

164.009/207/0 No. 708 aluminum foil faced fiberglass insulation, in nominal density of 3/4 lb/cu ft.

EQUIPMENT LISTS

164.009/316/0 "Sigma 100" glass mat gypsum board with HB703 coating on one side. Approved in nominal density of 50 pounds per cubic foot.
 164.009/327/0 Type "Verma-Light-T" Vermiculite panels approved in a nominal density of 700 kg/cu. m.
 164.009/328/0 Type "Vermipan-Light-F" Vermiculite panels approved in a nominal density of 800 kg/cu. m.

J. P. Stevens & Co., Inc., Slater, SC 29683

164.009/195/0 "Style 84207/9485", woven fiberglass fabric, 21.6 oz./sq. yd.

Keumkang Ltd, 27-8 Jamwan-Dong, Secho-Ku, Seoul, South Korea

164.009/260/0 "Hi-Wool" Types 80 through 400 mineral wool, density 80 through 400 kg/cu. m.
 164.009/270/0 "Hi-Wool" Types 40 and 50 mineral wool, density 40 and 50 kg/cu. m.
 164.009/285/0 "Glass Wool Mat No. 16, 20, and 24" fiberglass material, approved in nominal densities of 16, 20, and 24 kg/cu. meter, respectively.
 164.009/286/0 "Glass Wool Pipe Cover No. 60 and 80" fiberglass pipe cover, approved in nominal densities of 60 and 80 kg/cu. meter, respectively.
 164.009/287/0 "Glass Wool Board no. 32, 40, 48, 64, 80, 96, and 120" fiberglass material. App. in nominal densities of 32, 40, 48, 64, 80, 96, and 120 kg/cu meter.

Knauf Fiberglass GmbH, 240 Elizabeth Street, Shelbyville, IN 46176-1496

164.009/214/0 "Elevated Temperature" Board/Hull Board, fiberglass hullboard approved in nominal density of 2.8 lb./cu. foot.
 164.009/255/0 Type "850 Pipe" fiberglass pipe covering approved in nominal density of 3-1/2 to 7 lb./cu. foot.
 164.009/258/0 "Elevated Temperature Panel" fiberglass noncombustible material in nominal density of 2.4 lb/cu. foot.
 164.009/259/0 "Elevated Temperature Blanket" fiberglass noncombustible material approved in nominal density of 0.9 to 2.0 pounds per cubic foot.
 164.009/306/0 PLAIN OEM BLANKET INSULATION, fiberglass insulation, approved in a density of 0.75 to 1.0 lb/cu ft.
 164.009/308/0 Type "Temperlite 1200" molded block, pipe and fitting insulation, approved in nominal densities of 12 to 20 pounds per cubic foot. Factory: Innova Technologies, Inc., McQueeney, TX
 164.009/313/0 "KN/Flexible Marine" fiberglass noncombustible material in nominal density of 0.75 to 2.50 lb/cu. ft.

Manville Sales Corp., P.O. Box 5108, Denver, CO 80217-5108

164.009/72/3 "Incombustible Microlite" fibrous glass insulation, density 0.6 to 3 lb/cu. ft.
 164.009/92/1 "Incombustible Hullboard" fibrous glass type noncombustible material approved in nominal density of 3 lb/cu. ft.
 164.009/163/0 "Thermo-12" pipe and block insulation.
 164.009/172/1 "HULLINSUL" fiberglass type noncombustible insulation, approved in 1.6 to 2.0 pounds/cubic foot density.
 164.009/189/0 "1000 Series Spin-Glas Board", a glass fiber type noncombustible insulation approved in a nominal density of 3 lb/cu. ft., 1" through 8" thickness.
 164.009/190/0 "1001 Spin-Glass Blanket Filler", a glass fiber type noncombustible insulation, approved in a density of 3 lb/cu. ft., 1" thru 6" thickness.
 164.009/224/0 "Cerablanket" refractory fiber, density 3 to 8 lb/cu. ft.
 164.009/225/0 "Cera wool Blanket", "Ceratex Blanket", or "Thermo-Mat" refractory fiber, density 4, 6, and 8 lb/cu. ft.
 164.009/226/0 "Ceratex" refractory fiber, density 4 to 6 lb/cu. ft.
 164.009/228/0 "Precipitator Spin-Glass", insulation noncombustible material, approved in nominal density of 2.3 pound/cubic foot.
 164.009/311/0 "Microlok" fiberglass pipe insulation, approved in nominal density of 3 1/3 to 4 pounds per cubic foot. Plants: Defiance, OH, and Corona, CA.

Nichias Corp., No. 1-26, 1-Chome, Shibadaimon, Minato-Ku, Tokyo 105, Japan

164.009/209/0 "Marine Board K-900" mineral composition board approved in nominal density of 61 pounds per cubic foot.
 164.009/227/0 "MGB Felt" fiberglass insulation type noncombustible material, approved in nominal density of 4.6 pounds per cubic foot (70 kg/cu. meter). Plant location: Nara, Japan (Koriyama factory).
 164.009/229/0 "Marine Board L", density 50 lb/cu. ft. (700 kg/cu. m).
 164.009/230/0 "MGB Felt" fiberglass insulation type noncombustible material approved in nominal density of 7.5 LB/CF (120 kg/cu. meter).
 164.009/234/0 "MG Board 150" mineral fiber type noncombustible material, approved in a nominal density of 8.8 pounds per cubic foot (137.5 lb/cu. meter).
 164.009/249/0 "Marine Board K-650" noncombustible material in nominal density of 650 kg/cu. meter.

MATERIALS

- 164.009/257/0 "Silicalite", density 200 kg/cu. m.
 164.009/273/0 "Rockmarine Panel", Types N, P, and F steel-faced mineral wool panels, 25 mm thick at 150 kg/cu. m.
- Owens-Corning Fiberglas Corp., Fiberglass Tower, Toledo, OH 43659
 164.009/22/0 FIBERGLAS INSULATION TYPE PF-336, glass wool insulation type, 1 lb/cu ft density.
 164.009/120/2 "Fiberglas Hull Board N3A", density 2.77 lb/cu. ft.
 164.009/135/2 "Thermal Insulating Wool (TIW)", fibrous glass insulation, noncombustible material approved in nominal densities of 1 through 2.4 lb/cu ft.
 164.009/137/0 "Insul-Quick (I-Q Board)", fibrous glass insulation, 1" to 2-1/2" thick at 3 lb/cu. ft.
 164.009/165/2 "Flexible Hull Insulation", fibrous glass, 1-1/2" to 3" thick at 0.75 lb/cu. ft., 1" thick at 1.15 lb/cu. ft.
 164.009/191/0 "Kaylo 10 AF" pan poured or filter press type asbestos-free calcium silicate, density 12.5 lb/cu. ft.
 164.009/192/0 Fiberglas pipe insulation, density 3.5 to 6.0 lb/cu. ft.
 164.009/193/0 Two-piece molded pipe insulation, density 5.6 lb/cu. ft.
 164.009/296/0 Refrasil Type UC-100-96 fabric, approved in nominal density of 2.5 lb/sq yd.
 164.009/307/0 "Flexible Marine Insulation (EA-30)", fiber glass type noncombustible material in nominal density of 0.75 pounds per cubic foot.
- PABCO, Div. of Fibreboard Corp., 1110-16th Road, Fruita, CO 81521
 164.009/77/0 "Pabco Precision Molded Super Caltemp Type NA", calcium silicate, density 15 lb/cu. ft.
- Paroc Oy Ab, Kutojantie 8, JF-02630 Espoo, Finland
 164.009/238/0 Type PV-IL mineral wool batt approved in nominal density of 30 kg/cu. meter.
 164.009/239/0 Type PV-AL mineral wool batt, approved in nominal density of 40 kg/cu. meter.
 164.009/240/0 Type PV-S mineral wool batt, approved in nominal density of 65 kg/cu. meter.
 164.009/241/0 Type PV-160L, mineral wool batt approved in nominal density of 160 kg/cu. meter.
 164.009/242/0 Type PV-100AMV", mineral wool batt, density 100 kg/cu. m.
 164.009/243/0 Type HT-900 mineral wool batt, approved in nominal density 240 kg/cu. meter.
 164.009/244/0 Type PV-E", mineral wool pipe covering, density 110 kg/cu. m.
 164.009/256/0 Type PS-KV", fiberglass batt, density 80 kg/cu. m.
- Paroc Oy AB, P.O. Box 61, Helsinki, Finland
 164.009/301/0 Type PV-VL mineral wool batt, in nominal density of 100 kg/cu meter.
 164.009/302/0 Type PV-F110L mineral wool batt, in nominal density of 115 kg/cu meter.
 164.009/303/0 Type PV-220 L/T mineral wool batt, in nominal density of 210 kg/cu meter.
 164.009/304/0 Type PV-250 L/T mineral wool batt, in nominal density of 250 kg/cu meter.
 164.009/305/0 Type PV-PAL mineral wool batt, in nominal density of 140 kg/cu meter.
- Partek Insulations, Ltd., 561 Scott Road, P.O. Box 2079, Sarnia, Ontario, Canada N7T 7L4
 164.009/309/0 "Rocboard 1200" mineral wool boards, and "Rocflex 1200" mineral wool blankets approved in nominal density of 3 through 10 pounds per cubic foot.
 164.009/310/0 "Paroc 1200" mineral wool pipe insulation, approved in nominal density of 5.5 through 10 pounds per cubic foot.
- Pittsburgh Corning Corp., 800 Presque Isle Drive, Pittsburgh, PA 15239
 164.009/104/0 "FOAMGLAS", Cellulated Glass type noncombustible material approved in nominal density of 105 to 150 kg/cu. meters (appr. 7 to 10 lb/cu. ft.)
- Rockfon A/S, Hovedgaden 501, DK-2640 Hedehusene, Denmark
 164.009/288/0 "Conlit", mineral wool approved in nominal density of 300 kg/m³.
- Rock Wool Manufacturing Co., P.O. Box 506, Leeds, AL 35094
 164.009/272/0 "Delta Board" mineral wool, approved in nominal density of 3 to 8 pounds/cu. foot.
- Rockwool AB, S-54186 Skovde, Sweden
 164.009/210/0 "Ecomax 335", mineral wool, density 7 lb/cu. ft.
 164.009/261/0 "Ecomax 327", mineral wool, density 110 kg/cu. m.
 164.009/262/0 "Ecomax 337", mineral wool, density 180 kg/cu. m.
- Rockwool AS, DK-2640 Hedehusene, Denmark
 164.009/220/0 Rockwool "Marine Batts 32" mineral wool noncombustible material approved in nominal density of 32 kg/cubic meter.
 164.009/235/0 "Firebatts" mineral wool approved in nominal density of 150 kg/cu. meter.

EQUIPMENT LISTS

164.009/268/0 Rockwool Marine Pipe Sections 110 and 150, mineral wool pipe covering in nominal densities of 110 through 150 kg/m³, respectively.

164.009/269/0 Rockwool Marine Lamella Mat 32/Alu mineral wool pipe covering faced with aluminum foil in nominal density 35 kg/m³.

164.009/318/0 Rockwool "Marine Slab 100-200" Mineral wool, approved in nominal density of 100-200 kg/cu. meter.

Rockwool Lapinus B.V., Industrieweg 15., 6045 JG Roermond, Netherlands

164.009/321/0 Rockwool Pipe Section Type 850, approved in nominal density of 120 kg/cu. meter.

164.009/322/0 Rockwool Pipe Section Type 851, approved in nominal density of 140 kg/cu. meter.

Schuller International Inc., Mechanical Insulations Division, PO Box 625005, Denver, CO 80162

164.009/323/0 Type HTB-23 fiberglass insulation in nominal density of 32 kg/cu. meter (2.0 pcf).

164.009/324/0 Type HTB-26 fiberglass insulation in nominal density of 17 kg/cu. meter (1.1 pcf).

164.009/326/0 "Incombustible Microlite" fiberglass insulation approved in nominal density of 12 kg/cu. m (0.75 lb/cu. ft.)

USG Corporation, 101 South Wacker Dr., Chicago, IL 60606

164.009/34/0 "Thermafiber", rockwool insulation, density 3 to 8 lb/cu. ft.

164.009/169/0 "Thermafiber Number 10 Granulated Wool".

164.009/212/0 USG Type C4, ceramic ceiling panels, approved in nominal density of 30 lb per cubic ft.

164.009/314/0 "Durock Panel" cement type noncombustible material approved in nominal density of 75 Pounds per cubic foot.

Zero Dec 1 Corp, 55 Front Street, C-241, Bridgeport, PA 19405

164.009/319/0 "ZERODEC" Fiberglass Reinforced Polymerized gypsum (GRPG) approved in nominal density 100 lb. per cubic foot.

164.010 STRUCTURAL CEILINGS

NOTE: Shipping containers must be marked with the approval numbers. The constructions listed are approved as meeting Class B-0 or B-15 requirements, and may be used as components in Class A-60, A-30, and A-15 deck construction as noted. Must be installed in accordance with approved typical installation drawings.

ASK Corporation, 10-6, 7-Chome, Ginza, Chuo-Ku, Tokyo, Japan

164.010/13/0 ASK "Marlite SR-C-2" continuous ceiling, mtg. B-0 with 25 mm mineral wool in steel trays, may be used in A-30 deck const.

Blohm & Voss AG, Postfach 100720, D-2000 Hamburg 1, Federal Republic of Germany

164.010/4/0 "M 1000-D" continuous ceiling, meeting B-0 or B-15, may be used in A-30 or A-60 deck construction.

164.010/5/0 "M 1000-S" continuous ceiling, meeting B-15 with 38 mm steel-faced mineral wool panels, may be used in A-30 deck const.

Bu-II Industries Co., Ltd, 35 Sozoo-Ri Woongsangmyun, Yangsan-Gun, Kyungnam, South Korea

164.010/19/0 "BU-IL BIP C-513" continuous ceiling approved as meeting Class B-0 Criteria.

164.010/20/0 "BU-IL BIP C-513" continuous ceiling approved as meeting Class B-15 criteria. May be used as a component of A-60 deck assemblies.

Dampa AS, DK-5690 Tommerup, Denmark

164.010/1/0 DAMPA, mtg. B-0 w/ 25 mm mineral wool & B-15 with add'l 25 mm mineral wool overlay, may be used in A-60 deck const.

Hopeman Brothers, Inc., 435 Essex Ave., Waynesboro, VA 22980

164.010/12/0 "Gamma 100" continuous ceiling approved as meeting Class B-0 requirements.

164.010/16/0 "Zeta Containment B-0 Class Noncombustible Ceiling" continuous ceiling approved as meeting B-0 requirements. May not be used in A-class construction.

164.010/17/0 "Zeta 100 B-0 Class Noncombustible Ceiling" Continuous Ceiling. Approved as meeting class B-0 requirements. May not be used in A-Class deck construction.

Isolamin AB, S-95184 Lulea, Sweden

164.010/2/0 Type CC2 continuous ceilings, approved as meeting Class B-0 req. with 30 mm mineral wool and B-15 req. with an additional 30 mm mineral wool. May be used in A-60 deck construction.

MATERIALS

164.010/3/1 Type 865 continuous ceiling approved as meeting B-15 requirements with 50 mm mineral wool. May be used in A-30 deck construction.

Kvaerner Masa-Yards Inc., Piikkio Works, Sf-21500 Piikkio, Finland

164.010/14/0 WARTSILA continuous ceiling. Approved as meeting Class B-0 requirements with 10 mm steel-faced mineral wool panels.

Maritime Services Corp., 3457 Guignard Drive, Hood River, OR 97031

164.010/18/0 "Danacoustic M-300" continuous ceiling approved as meeting B-0 criteria.

Rockfon A/S, Hovedgaden 501, DK-2640 Hedehusene, Denmark

164.010/8/0 TNF Type C55, mtg. B-15 w/ 50 mm min. wool in steel trays, may be used in A-60 deck construction with 55 mm mineral wool.

164.010/9/0 TNF Type C54, mtg. B-0 with 45 mm mineral wool in steel trays, may be used in A-30 deck construction.

164.012 INTERIOR FINISH

NOTE: Shipping containers must be marked with the approval number.

3M Company, 3M Center, St. Paul, MN 55144-1000

164.012/20/0 Aluminum foil tape No. 425, in nominal thickness of 0.08 mm (3 mil).

164.012/21/0 Aluminum foil tape No. 430, in nominal thickness of 0.05 mm (2 mil).

164.012/22/0 Aluminum foil tape No. 431, in nominal thickness of 0.05 mm (2 mil).

Alkor GmbH, Morgensternstrasse 9, D-8000 Munchen 71, Federal Republic of Germany

164.012/83/0 PVC film Type 03801, 0.15 mm thick.

Alpha Associates, Inc., Two Amboy Ave., P.O. Box 128, Woodbridge, NJ 07095

164.012/73/0 Type "59M" facing, 9 mil thick.

Branton Industries Inc, 1101 Edwards Avenue, Jefferson, LA 70181

164.012/112/0 Aluminum foil facing approved in nominal thickness of 0.002 inches.

Childers Products Co., Inc., P.O. Box 505, 2061 Hartel Street, Bristol, PA 19007

164.012/59/0 "Vicryl CP 10" general purpose coating approved at a nominal application rate of 25 sq. ft. per gallon.

164.012/60/0 "Vicryl CP 11" general purpose coating approved at a nominal application rate of 25 sq. ft. per gallon.

164.012/61/0 "Chil-Kote CP 17" general purpose coating approved at a nominal application rate of 33.3 sq. ft. per gallon.

164.012/62/0 "Chil-Perm NF CP 30" general purpose coating approved at a nominal application rate of 50 sq. ft. per gallon.

164.012/63/0 "Chil-Perm NF CP 32" general purpose coating approved at a nominal application rate of 50 sq. ft. per gallon.

164.012/64/0 "Chil-Seal CP 55A" and "CP 50AHV2" general purpose coating approved at a nominal application rate of 80 sq. ft. per gallon.

164.012/65/0 "Chil-Perm CP 55" general purpose coating approved at a nominal application rate of 80 sq. ft. per gallon.

164.012/66/0 "Encacel V" and "Encacel X" general purpose coating approved as a nominal application rate of 16.7 sq. ft. per gallon.

The Claremont Co, Inc, 174 State Street, Meriden, CT 06450

164.012/50/0 "Tuffskin #1613" fiberglass reinforced plastic.

Columbus Coated Fabrics, Div. of Borden Chemical, Borden, Inc., 1280 North Grant Ave., Columbus, OH 43216

164.012/16/0 Vinyl film wall covering, Type K-2, in nominal thickness of 10 mil.

164.012/17/0 Vinyl film wall covering material, Type K-2L in nominal thickness of 8 mil.

164.012/18/0 Vinyl film wall covering material, Type KL-22 in nominal thickness of 10 mil.

164.012/103/0 Vinyl laminated fabric interior finish, Type I-C, specification numbers L5036, L5242(+), and L5256(+) in nominal thickness of 0.025 in.

164.012/104/0 Vinyl laminated fabric interior finish, Type II-K, specification number L5019, in nominal thickness of 0.025 in.

EQUIPMENT LISTS

164.012/111/0 Type I nonwoven vinyl laminated paper wall covering approved in nominal thickness of 11.5 to 14 mil.

Compac Corp., Old Flanders Road, P.O. Box 98, Netcong, NJ 07857-0098
164.012/91/0 Aluminium foil tape approved in maximum thickness of 0.006 inches.

Formica Corporation, 120 East Fourth Street, Cincinnati, OH 45202
164.012/34/0 Type FR 32 FORMICA laminate (-32/VGF) in nominal thickness of 0.8 mm (0.032 in).
164.012/35/0 Type FR 50 FORMICA laminate (-50/HGF) in nominal thickness of 1.3 mm (0.050 in).
164.012/36/0 Type FR BK 32 FORMICA laminate (-87/VGF) in nominal thickness of 0.8 mm (0.032 in).
164.012/37/0 Type FR BK 50 FORMICA laminate (-89/BGF) in nominal thickness of 1.3 mm (0.050 in).

Formica Corporation, C.P. 430, St. Jean, Quebec, Canada J3B 627
164.012/55/0 Type FR 32 FORMICA laminate, in nominal thickness of 0.032 inches.
164.012/56/0 Type FR 50 FORMICA laminate, in nominal thickness of 0.050 inches.
164.012/57/0 Type FR BK 32 FORMICA laminate, in nominal thickness of 0.032 inches.
164.012/58/0 Type FR BK 50 FORMICA laminate, in nominal thickness of 0.050 inches.

Foster Products Corp., An H. B. Fuller Company, 1200 Wolters Boulevard, Vadnais Heights, MN 55110
164.012/11/1 "Foster Insulfas Coating 31-31" general purpose coating at an application rate of 40 square feet per gallon.
164.012/28/0 Mariner Coating 30-55.
164.012/113/0 Weatherite Mastic 36-10 general purpose coating at an application rate of 17 square feet per gallon.
164.012/114/0 Weatherite Mastic 36-25 general purpose coating at an application rate of 17 square feet per gallon.
164.012/115/0 Weatherite Mastic 46-10 coating at an application rate of 17 square feet per gallon.
164.012/116/0 Weatherite Mastic 46-25 general purpose coating at an application rate of 17 square feet per gallon.
164.012/117/0 Vapor-Fas 30-15 coating at an application rate of 25 square feet per gallon.
164.012/118/0 Sealfas coating 30-36 at an application rate of 40 square feet per gallon.

Gen Corp Polymer Products, Plastic Film Div., Chambers Ave., Jeanette, PA 15644
164.012/72/0 Types "A F12/L28", "B F9/L27", "C F80", "D L27", "E L24", and "F F17/24" vinyl film wall coverings in nominal thickness of 75 mil.
164.012/77/0 Types "Lightweight", "Lightweight T", "Mediumweight", and "Mediumweight T", vinyl wall covering.

Gislaved AB, Plastics Div., S-33200 Gislaved, Sweden
164.012/71/0 "Design 1320" PVC film approved in nominal thickness of 0.15 mm.

Hardcast, Inc., 8242 Moberly Lane, Dallas, TX 75227
164.012/67/0 "Iron Grip No. 601" duct sealant.
164.012/68/0 "No. P301" duct tape.

International Multi Services, 162 Hazeltine Ave., Jamestown, NY 14701
164.012/76/0 Style 3732-1261 fiberglass cloth facing.

Isolamin AB, S-951 84 Lulea, Sweden
164.012/69/0 Type "Design 1320" vinyl film in nominal thickness of 0.15 mm. To be applied with Bostik AB's "2700-S" adhesive in accordance with mfg. instructions.

Isovolta AG, Wiener Neudorf, Austria
164.012/94/0 "Standard Grade" laminated plastic type interior finish, in 1 mm nominal thickness.

KWS Co., 6764 Preston Ave., Suite B, Livermore, CA 94550
164.012/33/0 #332 fiberglass wall covering.
164.012/41/0 No. 332 perforated glass fabric in nominal 14 mil thickness.

Liberty Insulation Inc, 50 Herbert Avenue, Closter, NJ 07624
164.012/87/0 "Liberty PA" perforated fiberglass cloth facing.
164.012/88/0 "Liberty MA" perforated, corrugated aluminum facing.
164.012/89/0 "Liberty CF" fiberglass cloth facing.
164.012/90/0 "Liberty A-2" aluminum foil facing.

MATERIALS

Manville Sales Corp., P.O. Box 5108, Denver, CO 80217-5108
164.012/49/0 aluminum foil facing.

Marathon Industries, Inc., Sub. of Eagle Bridges, Co. Hwy 49 West, Byron, GA 31008
164.012/19/1 Acrylic vinyl coating, Type EC102, in a application rate of 80 square feet per gallon.
164.012/79/1 "590 Lo-Perm" general purpose coating.
164.012/110/0 Type IC 541 general purpose coating, approved at an application rate of 25 square feet per gallon.

Mon-Eco Industries, Inc., 5 Joanna Court, East Brunswick, NJ 08816
164.012/70/0 Eco-Perm Coating 11-02.
164.012/108/0 "Eco-Vapor cote coating N. F. 55-20" "Eco-Vapor Cote Coating N. F. 55-10" general purpose coatings. To be applied at a rate of 50 square feet per gallon.

National Starch And Chemical Co., 10 Finderne Avenue, Bridgewater, NJ 08807
164.012/119/0 Aluminum foil facing in minimum thickness of 0.9 mil. to be applied with "Bondmaster 40-0857" adhesive in accordance with mfg. instructions.

Nevamar Corp., 8339 Telegraph Road, Odenton, MD 21113
164.012/1/0 Nevamar laminated plastic interior finish, Type HR-5, and Type VR-3.

Nichias Corp., No. 1-26, 1-Chome, Shibadaimon, Minato-Ku, Tokyo, Japan
164.012/97/0 Type "31-31" general purpose coating, approved in nominal application rate of 40 square feet per gallon.

Owens-Corning Fiberglas Corp., Fiberglass Tower, Toledo, OH 43659
164.012/38/0 "Style 332/9466" glass cloth.
164.012/47/0 "Type 3732" fiberglass cloth with AFF 60 finish.
164.012/48/0 "Style 332/9466" fiberglass cloth.
164.012/84/0 "Type 332" fiberglass cloth.

Perstorp AB, S-28480 Perstorp, Sweden
164.012/82/0 "Perstorp Standard 0.9 mm" plastic laminate, approved in nominal thickness of 0.9 mm.

Pioneer Plastics Corp. 60 Joseph Street, Moonachie, NJ 07074
164.012/2/0 Laminated plastic interior finish "Pionite Type K61", nominal 0.060 in. thickness. Bonded with Koppers Penacolite G-1124 or G-1149 adhesive.
164.012/12/0 Laminated plastic interior finish "Pionite Type K32", nominal 0.031 in. thickness. Bonded with Koppers Penacolite G-1124 or G-1149 adhesive.
164.012/13/0 Laminated plastic interior finish "Pionite Type KSI", nominal 0.052 in. thickness. Bonded with Koppers Penacolite G-1124 or G-1149 adhesive.

Polymer Adhesive Sealant Systems, 2030 Century Center Blvd., Suite 8, Irving, TX 75062
164.012/121/0 "Air Seal #11" duct sealant at an application rate of 100 sq. feet per gallon.

Polyrey Marine Aussetet Rey Ltd., Ten Blackfriars Lane, London EC4V 6EB
164.012/54/0 Polyrey melamine plastic laminate in 0.9 to 1.3 mm thickness.

Reilly-Benton Co., Inc., 1645 Tchoupitoulas St., P.O. Box 52346, New Orleans, LA 70152
164.012/80/1 "Pelican FF" aluminum foil in nominal thickness of 2 mil.
164.012/81/1 "Pelican CF" fiberglass cloth facing, in nominal thickness of 5 mil.

Resopal GmbH, Hans-Boeckler-Strasse 4, D-6114 Gross-Umstadt, Federal Republic of Germany
164.012/95/0 laminated plastic.
164.012/107/0 RESOPAL standard laminate, approved in nominal thickness of 0.8mm.

RJF International Corporation, P.O. Box 657, Oak Grove, Marietta, OH 45750
164.012/85/0 Types I-G and I-H laminated fabric wall coverings approved in nominal thickness of 0.020 inches. To be applied with manufacturer's "A-848-B" adhesive in accordance with manufacturer's instructions. Formerly B.F. Goodrich Company.
164.012/86/0 Type 111-D fabric-backed vinyl wall covering approved in nominal thickness of 0.050 inches. To be applied with manufacturer's "A-848-B" adhesive in accordance with manufacturer's instructions. Formerly B. F. Goodrich Company.

EQUIPMENT LISTS

Sano Shigei, Ltd., Inukai, Sogabe-Cho, Kameoka, Kyoto, Japan
164.012/96/0 "Kyalite Livin" DAP treated decorative finish.

Tanigaki Kogyo, Ltd., 975 Kozukayama, Tamon-Cho, Tanumi-Ku, Kobe 655, Japan
164.012/93/0 Plastic laminate, approved in nominal thickness of 0.1 to 0.3 mm. Applied to noncombustible substrate at manufacturer's plant. Plant: Miki Industrial Zone, 15 Tomoe, Bessyo-cho, Miki-shi Hyogo-Ken, JAPAN.

United McGill Corp., United Sheet Metal Div., 2000 East Broadway, Westerville, OH 43081
164.012/75/0 "United Duct Sealer" coating.
164.012/98/0 "UNI-WEATHER DUCT SEALER" coating. Nominal film thickness of 0.030 in (equals an applied rate of 53 sq ft/gal).
164.012/99/0 "UNI-GRIP DUCT SEALER" coating. Nominal thickness of 0.020 and 0.040 in (equals applied rate of 80 sq ft/gal and 40 sq ft/gal, respectively).
164.012/100/0 "3155 DUCT SEALER" coating. Nominal thickness of 0.020 and 0.040 in (equals applied rate of 80 sq ft/gal and 40 sq ft/gal, respectively).
164.012/101/0 "UNI-TACK DUCT LINER ADHESIVE" coating. Nominal thickness of 0.006 in (equals an applied rate of 267 sq ft/gal).
164.012/102/0 "UNI_GASKET FLANGE SEALER" coating. Nominal thickness of 0.020 in (equals an applied rate of 80 sq ft/gal).

Venture Tape Corp., 38 Commerce Road, Rockland, MA 02370
164.012/120/0 Types "1520CW" and "1521CW" aluminum foil in nominal thickness of 3.5 and 3 mil, respectively.

Vimasco Corp., P.O. Box 516, Nitro, WV 25143
164.012/74/0 Type "713" general purpose coating applied at a rate of 51 square feet per gallon.

Waco, Inc., 814 Research Drive, P.O. Box 2679, Newport News, VA 23602
164.012/43/0 Style 3732 fiberglass cloth with AFF no. 60 finish.
164.012/44/0 Style 332/49/9538 fiberglass cloth.

Westinghouse Electric Corp., Decorative Micarta Div., Hampton, SC 29924
164.012/4/0 "Micarta" type PFR-1 laminated plastic.

Ralph Wilson Plastics Co., 600 General Bruce Dr., Temple, TX 76501-5199
164.012/29/0 Type 604 melamine laminate in nominal thickness of 0.028 in.
164.012/30/0 Type 607 melamine laminate in nominal thickness of 0.062 +/- .005 in.
164.012/46/0 Type 264 plastic laminate in nominal thickness of 0.030 in.
164.012/78/0 Type 606 plastic laminate in nominal thickness of 0.060 inch.
164.012/92/0 Wilsonart 900 series "Metalcor" laminates consisting of steel or Al cores and high pressure laminate in nominal thicknesses of 0.033 to 0.072 in. To be applied with manufacturer's Wilsonart WA-800 adhesive.
164.012/105/0 "Wilsonart" Type 605 plastic laminate in nominal thickness of 0.050 inch.
164.012/106/0 Wilsonart" Type 266 plastic laminate in nominal thickness of 0.050 inch.

164.018 RETROREFLECTIVE MATERIAL

3M Company, Traffic Control Materials Div., 3M Center, St. Paul, MN 55144-1000
164.018/1/0 "SCOTCHLITE" SOLAS Grade 3150 (adhesive type) and 6750 (fabric-backed sewable), Types I and II.
164.018/5/0 "Scotchlite" Brand, SOLAS Grade 6750-I Reflective Sheeting, Type I and Type II retroreflective material, complying with SOLAS 74/83.
164.018/6/1 "Scotchlite" Brand, SOLAS Grade 3150-I Reflective Sheeting, Type I and Type II retroreflective material, complying with SOLAS 74/83.
164.018/7/0 "Scotchlite" Brand, SOLAS Grade 6850 Reflective Sheeting, Type I and Type II retroreflective material, complying with SOLAS 74/83.

Reflexite Corp., 315 South Street, P.O. Box 1200, New Britain, CT 06050
164.018/3/0 "Reflexite FD1402 Polyester Microprism Reflective Sheeting", Types I and II.
164.018/4/0 Reflexite FD1403 Acrylated Polyester Microprism Reflective Sheeting, Types I and II retroreflective material, with solvent resistant top coating. Complies with SOLAS 74/83.

SHOCK TESTED HYDRAULIC COMPONENTS

Nonductile hydraulic components which have passed high-impact shock tests in accordance with 46 CFR 58.30-15(f) and 46 CFR 58.30-17. Unless otherwise noted, the material is cast iron.

Note: The asterisks() in the component model numbers will be letter and/or number combinations designating variances in the component which do not affect the accepted body. In addition, the valve may be supplied with an additional letter and three numerals added to the model number. This indicates modifications to a stock component, but does not affect the accepted body.*

Manufacturer	Identity	Maximum Allowable Pressure (p.s.i.)
Brand Hydraulics, Inc., 2332 S. 25th St., Omaha, NE 68105	BG-5, BGR-5, BGC-5 (3/8", 1/2", 3/4")	1000
	BS0, B100 (3/8", 1/2", 3/4")	1000
	B300 (3/8", 1/2", 3/4")	1000
	MS-50 (1/2")	1000
	MS-75 (3/4")	1000
	POR-75 (3/4")	1000
	POC-75 (3/4")	1000
Char-Lynn Co., 15151 Highway 5, Eden Prairie, MN 55345	B*-91	1200
	UC*-91	1200
	UD*-91	1200
	UE*-91	1200
	UK*-91	1200
	UM*-91	1200
	WB*-91	1200
	WC*-91	1200
	WD*-91	1200
	WE*-91	1200
	WK*-91	1200
	YM*-91	1200
	YP*-91	1200
	YS*-91	1200
	YT*-91	1200
	YU*-91	1200
Continental Hydraulics, Subsidiary of Continental Machines, Inc., Savage, MN 55378	VS8M-1-*	3000
	VS8M-2-*	3000
	VS8M-3-*	3000
	VA3M--*-*	3500
	VS3M--*-*	3500
	VA12M--*-*	3500
	VS12M--*-*	3500
	VA35M--*-*	3500
	VS35M--*-*	3500
Delaval, Barksdale Control Div., 5125 Alcoa Ave., Los Angeles, CA 90058	1383M3H03	2000
	83M3HC3	2000
	8141R1H*3-N	2000
	8142R1H*3-N	2000
	8143R1H*3-N	2000
	8144R1H*3-N	2000
	8162M1H*3-N	2000
	8164M1H*3-N	2000
	8181S1H*3-N	2000

EQUIPMENT LISTS

Manufacturer	Identity	Maximum Allowable Pressure (p.s.i.)
Delaval, Barksdale Control Div. (cont.)	8182S1H*3-N	2000
	8183S1H*3-N	2000
	8184S1H*3-N	2000
	8922M1H*3-N	2000
	8924M1H*3-N	2000
	1232R3HM2-4R	3000
	6142R3HC3-L	3000
	6142R3HC3-N	3000
	6142R3H03-N	3000
	6143R3HC3-J	3000
	6143R3H03-J	3000
	6183S3H*3-J	3000
	6184S3H*3-J	3000
	6902R3HC3-MC-J	3000
	6922M3H03-MC-H	3000
	6943S3HC3-MC-H	3000
Dennison Division, Abex Corp., Columbus, OH 43216	CV12-333-**	3000
	CV24-333-**	3000
	D2D06-32 series	3000
	DD06351** series	3000
	FC04-23-***-**	3000
	FC06-23-***-**	3000
	FC12-23-***-**	3000
	FC12-33-***-**	3000
	RE04 series	3000
	D2D04 series	3500
	ABO*-**	5000
	CV20-53*-**	5000
	CV12-53*-**	5000
	D1D04-T3-***	5000
	D1D04-U3-***	5000
	D1D04-W*-***	5000
	D1D04-3*-***-***	5000
	D1D12-3*-***-***	5000
	D1D24-35-***-***	5000
	E112P-16	5000
	RE04-1322	5000
	RI*12-53*	5000
	RI*24-53*	5000
	RI*32-53*	5000
	RR12-53*-**	5000
	RR24-5WN	5000
	RR24-531	5000
	RV12-53*-**	5000
Donaldson Co., Inc., 1400 West 94th St., Minneapolis, MN 55440	CGK04-*****_*****	3000
Double A Products Co., Manchester, MI 48158	QSA-185	1750
	AA3-165	2000
	BTP-01	2000
	D4-195	2000
	N3-175-FFN	2000
	QSA3-165	2000
	QSA4-165	2000
	QUA2-185	2000
	QUA7-165	2000

SHOCK TESTED HYDRAULIC COMPONENTS

Manufacturer	Identity	Maximum Allowable Pressure (p.s.i.)
Double A Products Co. (cont.)	QWA-185	2000
	QWA3-165	2000
	QWD4-165	2000
	QXA-02	2000
	WAP-01	2000
	YB-04	2000
	YB-06	2000
	YP-06	2000
	Q*-06-* -Z-10G*-*	2250
	Q*-06-* -Z-10G*-V-*	2250
	Q*-06-* -10G*-*	2250
	Q*-06-* -10G*-V-*	2250
	Q*H-06-* -10B1-*	2250
	Q*H-06-* -7-10B1-*	2250
	AA3-175	3000
	AAF3-195	3000
	B-06-* -J-10A*-*	3000
	B-06-* -J1-10A*-*	3000
	B-06-* -J2-10A*-*	3000
	B-06-* -J3-10A*-*	3000
	W-06-* -J4-10A*-*	3000
	BT-06-10-A1	3000
	BT-10-10AL	3000
	BTP-06	3000
	D-04	3000
	D-06-10A1	3000
	D4-185	3000
	PQM-01****	3000
	PQJ-01****	3000
	Q*-3-* -10A*-V-*	3000
	Q*-5M-* -10A*-V-*	3000
	Q*-8-* -10A*-*	3000
	QB-06-10AL	3000
	QB-10-10AL	3000
	QD-175	3000
	QD-195	3000
	QF-02-* -10C*-*	3000
	QF-06-C-10A2	3000
	QJ-02-* -10C*-*	3000
	QG-02-* -10C*-*	3000
	QMP-01****	3000
	QF20-185	3000
	QF21-185	3000
	QF23-185	3000
	QJ20-185	3000
	QJ21-185	3000
	QJ23-185	3000
	QM20-185	3000
	QM21-185	3000
	QM23-185	3000
	RAC-901	3000
	RAC-902	3000
	W-06-* -J2-10A*-*	3000
	WAP-06	3000
	YP-01	3000
	BQG-06-* -J-10A*-*	3300
	BQG-06-* -J1-10A*-*	3300
	BQG-06-* -J2-10A*-*	3300

EQUIPMENT LISTS

Manufacturer	Identity	Maximum Allowable Pressure (p.s.i.)
Double A Products Co. (cont.)	BQG-06-*J3-10A*-*	3300
	BQG-06-*10A3	3300
	Q*-06H-*10B*-*	3500
	Q*-3-*10A*-*	3500
	Q*-3-*10B1*-*	3500
	Q*-5-*10A*-*	3500
	Q*-5-*10A3*-*	3500
	Q*-5M-*10A3*-*	3500
	QM-01-*V*-*	3500
Dynex Rivett, Inc., 770 Capital Dr., Pewaukee, WI 53072	5000-1*	2000
	8800-03	2000
	8800-06	2000
	8800-10	2000
	Series P88**	
	Size Code 06	2875
	51**	3000
	Series 65**	3000
Essex Recon Corp., Fluid Power Div., 72 West Drullard Ave., Lancaster, NY 14086	Series 66**	
	3/8" to 1"	3000
	100128	150
	100407	300
	100418	300
	100166	1500
	100173	1500
	100487	2000
Fluid Controls, Inc., Mentor, OH 44060	100579	2000
	Part no. 54009-2	4000
Fluid Power Div., Aurora Corp. of Illinois, 8810 Harvard Ave., Cleveland, OH 44105	250550LP	150
	250562	300
	250574	300
	250555	1500
	250550HP	1500
	250563	2000
Kemp Industries, Marshall Hill Rd., West Milford, NJ 07480	K403035	1000
	K403037	1000
Modernair Corp., 1105 Williams St., Angola, IN 46703	5340-50-8	200
MOOG, Inc., Proner Airport, East Aurora, NY 14052	60*9**	Inlet: 3000 Outlet: 1500
	078-69977-***	Inlet: 3000 Outlet: 1500
Oilgear Co., The, 1560 West Pierce St., Milwaukee, WI 53204	VLDFT-412	1700
	504242	3000
	KG*F*-404	3000
	KG*F*-406	3000
	KG*F*-408	3000
	KG*F*-410	3000
	KG*F*-412	3000
	V**F*-404	3000
	V**F*-406	3000

SHOCK TESTED HYDRAULIC COMPONENTS

Manufacturer	Identity	Maximum Allowable Pressure (p.s.i.)
Oilgear Co., The (cont.)	V**F*-408	3000
	V**F*-410	3000
	V**F*-412	3000
Olmstead Products Co., 2670 Aero Park Dr., Traverse City, MI 49684	SV-123-3	3000
	SV-126-1	3000
	CSH-24-A02	3000
	SV-139-3	3500
	SV-139-5	3500
Parker Hannifin, Industrial Hydraulics Div., 100 Parker Dr., Otsego, MI 49078	BRC*6M*	2500
	B*6M**	2550
	S*6M**	2550
	PR*6M**	2550
	UL*6M**	2550
	MSR*16M**A	2550
	D3C*** (3/8")	3000
	D3K*** (3/8")	3000
	D3L*** (3/8")	3000
	D3W*** (3/8")	3000
	D6P****	3000
	R6P***	3000
	R6V***	3000
	D63W****	3000
	R10M***	3000
	R10P***	3000
	R10S***	3000
	D103W****	3000
	Series 124*****B (1-1/4)	3000
Parker Hannifin Corp., Mobile Power and Control Div., 17325 Euclid Ave., Cleveland, OH 44112	VDP 12D 10	2000
	VDP 12DD 10	2000
Rexnord, Inc., Hydraulic Components Div., 2000 Albert St., Racine, WI 53404	*D4-D*HS-*01S	2000
	*D4-*HT-*02S	2000
	*D4-*HS-*03*	2000
	*D4-*HS-*06*	2000
	*D4-*HT-*06*	2000
	*D4-*HT-*08*	2000
	*D4-*HF-*06*	2000
	*D4-*HG-*08*	2000
	*D4-*HS-*10*	2000
	*D4-*HT-*10*	2000
	*D4-*HF-*10*	2000
	F2-HDS-02*	2000
	F2-DHS-03*	2000
	E-P*AH-S03*	2000
	E-P*AH-S06*	2000
	E-P*AH-S10*	2000
	E-P*AH-P03*	2000
	E-P*AH-P04*DLR	2000
	E-P*AH-P06*	2000
	E-P*AH-P08*	2000
	E-P*AH-P10*	2000
	E-P*AH-R03*	2000
	E-P*AH-R04*	2000

EQUIPMENT LISTS

Manufacturer	Identity	Maximum Allowable Pressure (p.s.i.)
Rexnord, Inc., Hydraulic Components Div. (cont.)	*E*-P*AH-R06*	2000
	E-P*AH-R08*	2000
	E-P*AH-R10*	2000
	*D2-ETHS-*06*	2000
	*D2-PIHS-*03*	2000
	*D2-PIHS-*06*	2000
	*D2-PIHS-*10*	2000
	*D2-PIHP-*03*	2000
	*D2-PIHP-*04*	2000
	*D2-PIHP-*06*	2000
	*D2-PIHP-*08*	2000
	*D2-PIHP-*10*	2000
	*D2-PIHR-*03*	2000
	*D2-PIHR-*04*	2000
	*D2-PIHR-*06*	2000
	*D2-PIHR-*08*	2000
	*D2-PIHR-*10*	2000
	B1-POH-103N	2000
	B1-POH-104N	2000
	B1-POH-106N	2000
	B1-POH-108N	2000
	B1-POH-110N	2000
	*B1-XOHP-1**N**	2000
	*B1-XOHS-1**N**	2000
	*F1-SHPO-1***	2000
	*F1-SHS-1***	2000
	OD4-**K*-*02S	2500
	OD4-**HS-*04S	2500
	OD4-**KF-*16*	2500
	*D4-**HS-*02S	3000
Rodgers Hydraulic, Division of Victor Fluid Power, Granite Falls, MN 56241	CV 10	6000
	CV 10-100	6000
	VR 323103	6000
	VR 332103	6000
	VR 333103	6000
	VR 323150	6000
	VU 321103	6000
	VU 321150	6000
	VU 323150	6000
	VP-P-SB-3-2-4-0-0	6000
	VP-P-SB-3-3-4-1-0	6000
	VP-P-SS-3-2-4-0-0	6000
	VP-P-SS-3-3-4-1-0	6000
Schroeder Brothers Corp., Nichol Ave., Box 72, McKees Rocks, PA 15136	LF-1	300
	TF-1	300
Sperry Corp., Sperry Vickers AMD Div., P.O. Box 10177, 5353 Highland Dr., Jackson, MI 39206	CM-11	1200
	CG-714-*	2000
	FG-02-1000-3*	2000
	FG-06-*--1*	2000
	FG-10-*--1*	2000
	FCG-02-1000-31	2000
	FCG-02-1500-*--4*	2000
	FRG-02-1000-11	2000
	FRG-06-*--1*	2000

Manufacturer	Identity	Maximum Allowable Pressure (p.s.i.)
Sperry Corp., Sperry Vickers AMD Div. (cont.)	FRG-10-**-1*	2000
	XGL-03-*-1*	2000
	DG15S2-060-*-1*	2000
	FG-03-**-2*	2500
	FRG-03-*-**-2*	2500
	R*T-10***-2*	2500
	CM2N-02	2500
	CF-16-**-1*	2700
	DF10P1-16-**-2*	2700
	URG*-06-*-1*	2800
	DG*S*-04*-2*	2800
	RG-10-***-2*	2875
	XG-10-*-2*	2875
	RCG-10-***-2*	2875
	XCG-10-*-2*	2875
	4CG-10-**-2*	2875
	CG-03-***-1*	3000
	CG-06**-4*	3000
	CG-10**-4*	3000
	C*-10**-2*	3000
	L1-DF3S4-162C-5*	3000
	RG-03-***-2*	3000
	RG-06-***-2*	3000
	XG-03-*-2*	3000
	XG-06-*-2*	3000
	CGM-06*-2*	3000
	CGM-10*-2*	3000
	CGR-02*-2*	3000
	CG5-06*-***-4*	3000
	CG5-10*-***-3*	3000
	CG5-10*-***-4*	3000
	C4G-815	3000
	C4G-825	3000
	C5G-815	3000
	C5G-825	3000
	DIL-**-2*	3000
	RCG-03-***-2*	3000
	RCG-06-***-2*	3000
	SF4-***-***-1*	3000
	XCG-03-*-2*	3000
	XCG-06-*-2*	3000
	4CG-03-**-2*	3000
	4CG-06-**-2*	3000
	CGM*-10S/03-1*	3000
	CGVM-1*S-815-1*	3000
	C*GM-245-825	3000
	C*GM-815	3000
	C*GM-825	3000
	DGFN-01-2*	3000
	DGSM-04*-1*	3000
	DGSM-06*-5*	3000
	DGSM-10*-1*	3000
	RXGM-***-2*	3000
	URG*-10*-1*	3000
	URG*M-**-1*	3000
	DF*S*-16**-5*	3000
	DF5S4-16**-30	3000
	DG*S*-01**-5*	3000

EQUIPMENT LISTS

Manufacturer	Identity	Maximum Allowable Pressure (p.s.i.)
Sperry Corp., Sperry Vickers AMD Div. (cont.)	DG*S*-06**-*5*	3000
	DG*S*-10**-*5*	3000
	DG**M-01*-1*	3000
	URG*M-**-1*	3000
	DG17S4-01**-*5*	3000
	DG17S4-06**-*5*	3000
	DG18S4-01**-*5*	3000
	DG18S4-06**-*5*	3000
	DG19S4-06**-*5*	3000
	DG19S4-10**-*5*	3000
	DGMC*-3-**-**-*5*	3600
	DGMR-3-TA-*W-*	3600
	DGMFN-3-**-**-*5*	3600
	DGMX1-3P-**-**-*5*	3600
	DGMPC*-3-**-**-*5*	3600
	DGMA-3-**-*	4000
	DGVM-3-**-*	4000
	DGYV-3-**-**-*5*	4000
	DG**V-3-**-**-*5*	4000
Teledyne-Republic Mfg. Co., 15655 Brookpark Rd., Cleveland, OH 44135	*8611-3/8 HO**-*5*	3000
	*8611-1/2 HO**-*5*	3000
	*8641-3/8 HO**-*5*	3000
	*8641-1/2 HO**-*5*	3000
	*8651-3/8 HO**-*5*	3000
	*8651-1/2 HO**-*5*	3000
	8***C-1 1/2 *S*	3000
Walz & Krenzer, Inc., 22 Flint St., Rochester, NY 14608	Series 471	1800
Weatherland Co., 300 East 131st St., Cleveland, OH 44108	420-01305-09	3000
	420-01380-09	3000
Webster Electric Co., Inc., Fluid Power Div., 1900 Clark St., Racine, WI 53403	***AV2***	1800
	Series 4V	2500

FORMERLY APPROVED AND CERTIFIED INSTRUMENTS, MACHINES, AND EQUIPMENT

This section contains lists of items approved or certified since July 31, 1947, for which approvals have been withdrawn or terminated because they are no longer manufactured. The appearance of an item on this list does not necessarily mean that it is of inferior quality. The items in this list may be used as long as they are in good and serviceable condition.

This list does not contain categories of items which have been required to be removed from vessels by regulation, nor does it contain list of items, such as structural fire protection materials, for which a list of previously approved items would not appear to serve any meaningful purpose. Some items may not be listed under the same manufacturer's name appearing on the device, since no attempt has been made to list all of the names, owners, and addresses that may have been connected with a particular device. Also, the last digit of the approval number indicates the last revision of the item which was approved. Earlier revisions will have lower numbers, and are generally also acceptable. For instance, approval number 160.000/99/0 would be an earlier version of a device with approval number 160.000/99/1.

To reduce the bulk of this list, a number of categories of engineering equipment which were contained in the previous edition have been omitted from this one. These are categories of equipment for which there have been no new approvals or terminations for many years and for which, since no equipment is currently approved in these categories, there will be no changes in the future. Refer to the previous edition of this list (COMDTINST M16714.3D) for listings under these categories.

Contact any Officer in Charge, Marine Inspection for additional information.

FORMERLY CERTIFIED MARINE SANITATION DEVICES

Capacity abbreviations used in this listing:

CMPD = cubic meters per day

GPD = gallons per day

LPD = liters per day

UPD = uses per day

American President Lines Ltd, Attn: Operations/Eng'g, 1111 Broadway 6th Flr, Oakland, CA 94607
159.015/7601/0 Type III, Model 1979, 540 GPD capacity.

American Standard, 415 Hamburg Turnpike, Wayne, NJ 07470
159.015/7401/0 Type II, Model Standard V, 20 UPD capacity.
159.015/7402/0 Type I, Model Standard I, 20 UPD capacity.
159.015/7403/0 Type II, Model Standard II, 150 Flush capacity.

Aquachem I. W. GmbH, Quellenweg 13, D-5060 Berg, Gladbach 1 (Bensberg), Federal Republic of Germany
159.015/9201/0 Type II, Model Aerob 12, 2100 LPD capacity.
159.015/9202/0 Type II, Model Aerob 18, 3150 LPD capacity.
159.015/9203/0 Type II, Model Aerob 25, 4375 LPD capacity.
159.015/9204/0 Type II, Model Aerob 35, 6125 LPD capacity.
159.015/9205/0 Type II, Model Aerob 45, 7875 LPD capacity.
159.015/9206/0 Type II, Model Aerob 55, 9625 LPD capacity.

Aries Ind. & Naval Service, S. A., Edificio Germania, Guzman El Bueno, Madrid, Spain
159.015/6801/0 Type II, Model 0086 Flowthrough, 1800 GPD capacity, for inspected vessels.

EQUIPMENT LISTS

159.015/6802/0 Type III, Model 0086 Recirculating, 1800 GPD capacity, for uninspected vessels. Former certification no. 159.15/1068/2/III.

Baylor Company, P.O. Box 36323, Houston, TX 77036

159.015/3701/0 Type I, Model Lykes SMSD, 15000 GPD capacity, limited to vessels listed in letter. Former certification no. 159.15/1037/1/I.

159.015/3702/0 Type I, Model Filteron 490, 500 GPD capacity.

159.015/3703/0 Type I, Model Filteron 3990, 4000 GPD capacity.

159.015/3704/0 Type I, Model Filteron 2490, 2500 GPD capacity.

159.015/3705/0 Type I, Model Amer. Exp. SMSD, 11500 GPD capacity.

159.015/3706/0 Type I, Model MSD 1000 S, 1000 GPD capacity.

159.015/3707/0 Type I, Model MSD 1000, 1000 GPD capacity.

Cadagua, SA, Mayor 23, Apartado 47, Las Arenas-Guecho, Vizcaya, Spain

159.015/4701/0 Type II, Model Oxital-o, 2500 GPD capacity, for uninspected vessels.

Coet Aerobic Systems, 3601 Swann Avenue, Tampa, FL 33609

159.015/5201/0 Type III, Model 600, 3 persons capacity.

Citex-Gastechnik Maschinenbau, Postfach 710424, 2 Hamburg 71, Federal Republic of Germany

159.015/4301/0 Type II, Model CEAK 35/50, 3100 GPD capacity.

Conseco, Inc., 611 North Road, Medford, WI 54451

159.015/8101/0 Type II, Model ST-2, 360 GPD capacity.

159.015/8102/0 Type II, Model ST-4, 720 GPD capacity.

159.015/8103/0 Type II, Model ST-6, 1080 GPD capacity.

159.015/8104/0 Type II, Model ST-8, 1440 GPD capacity.

159.015/8105/0 Type II, Model ST-10, 1800 GPD capacity.

159.015/8106/0 Type II, Model RT-20, 360 GPD capacity.

159.015/8107/0 Type II, Model RT-40, 720 GPD capacity.

159.015/8108/0 Type II, Model RT-60, 1080 GPD capacity.

159.015/8109/0 Type II, Model RT-80, 1440 GPD capacity.

159.015/8110/0 Type II, Model ST-1, 225 GPD capacity.

Consilium Marine AB (formerly Salen & Wicander), PO Box 42126, S-126 12 Stockholm, Sweden

159.015/3001/0 Type II, Model Neptumatic 90/90-30, 3740 GPD capacity.

159.015/3002/0 Type II, Model Neptumatic 90/90-50, 6240 GPD capacity.

159.015/3003/0 Type II, Model Neptumatic 90/90-70, 8340 GPD capacity.

Controles y Equipos Navales, SA, Balmes 152, Barcelona, Spain (8)

159.015/8901/0 Type II, Model TAR 10P, 24 persons capacity, for inspected vessels.

159.015/8903/0 Type II, Model TAR 20P, 48 persons capacity, for inspected vessels.

159.015/8904/0 Type II, Model TAR 30P, 64 persons capacity, for inspected vessels.

159.015/8905/0 Type II, Model TAR 40P, 80 persons capacity, for inspected vessels.

159.015/8906/0 Type II, Model TAR 50P, 100 persons capacity, for inspected vessels.

159.015/8907/0 Type II, Model TAR 60P, 120 persons capacity, for inspected vessels.

159.015/8908/0 Type II, Model TAR 70P, 140 persons capacity, for inspected vessels.

159.015/8909/0 Type II, Model TAR 80P, 160 persons capacity, for inspected vessels.

159.015/8910/0 Type II, Model TAR 100P, 240 persons capacity, for inspected vessels.

159.015/8911/0 Type II, Model TAR 150P, 320 persons capacity, for inspected vessels.

159.015/8912/0 Type II, Model TAR 200P, 400 persons capacity, for inspected vessels.

159.015/8913/0 Type II, Model TAR 250P, 560 persons capacity, for inspected vessels.

159.015/8914/0 Type II, Model TAR 350P, 720 persons capacity, for inspected vessels.

159.015/8915/0 Type II, Model TAR 450P, 900 persons capacity, for inspected vessels.

FORMERLY CERTIFIED MARINE SANITATION DEVICES

- 159.015/8916/0 Type II, Model TAR 550P, 1100 persons capacity, for inspected vessels.
- 159.015/8917/0 Type II, Model TAR 650P, 1300 persons capacity, for inspected vessels.
- 159.015/8918/0 Type II, Model TAR 750P, 1500 persons capacity, for inspected vessels.
- 159.015/8919/0 Type II, Model TAR 850P, 1700 persons capacity, for inspected vessels.
- 159.015/8920/0 Type II, Model TAR 1000P, 2000 persons capacity, for inspected vessels.

Copak SA, Capitan Haya 3-5,1, Madrid 20, Spain

- 159.015/9603/0 Type II, Model MSTP 3, 3460 GPD capacity, for uninspected vessels.
- 159.015/9604/0 Type II, Model MSTP 4, 4360 GPD capacity, for uninspected vessels.
- 159.015/9605/0 Type II, Model MSTP 5, 6070 GPD capacity, for uninspected vessels.
- 159.015/9606/0 Type II, Model MSTP 6, 9370 GPD capacity, for uninspected vessels.
- 159.015/9607/0 Type II, Model MSTP 7, 14000 GPD capacity, for uninspected vessels.
- 159.015/9608/0 Type II, Model MSTP 8, 39270 GPD capacity, for uninspected vessels.
- 159.015/9609/0 Type II, Model MSTP 9, 78540 GPD capacity, for uninspected vessels.
- 159.015/9610/0 Type II, Model Quadripart-8, 39270 GPD capacity, for uninspected vessels.
- 159.015/9611/0 Type II, Model Quadripart-9, 78540 GPD capacity, for uninspected vessels.

Deaforth, 500 Riverside Industrial Parkway, Portland, ME 04103

- 159.015/902/0 Type I, Model D 1000, 8 UPH capacity.
- 159.015/906/0 Type I, Model D 1000 EP, 8 UPH capacity.
- 159.015/907/0 Type I, Model D 1000 RP, 8 UPH capacity.
- 159.015/908/0 Type I, Model System 2000, unknown capacity.
- 159.015/909/0 Type I, Model MSD, 4 persons capacity.

Demco Inc., P.O. Box 94700, 845 SE 29th Street, Oklahoma City, OK 73143

- 159.015/2901/0 Type II, Model WT-325, 325 GPD capacity.
- 159.015/2902/0 Type II, Model WT-625, 625 GPD capacity.
- 159.015/2903/0 Type II, Model WT-1000, 1000 GPD capacity.
- 159.015/2904/0 Type II, Model WT-1250, 1250 GPD capacity.
- 159.015/2905/0 Type II, Model WT-1565, 1565 GPD capacity.
- 159.015/2906/0 Type II, Model WT-1875, 1875 GPD capacity.
- 159.015/2907/0 Type II, Model WT-2200, 2200 GPD capacity.
- 159.015/2908/0 Type II, Model WT-2500, 2500 GPD capacity.
- 159.015/2909/0 Type II, Model WT-2815, 2815 GPD capacity.
- 159.015/2910/0 Type II, Model WT-3125, 3125 GPD capacity.
- 159.015/2911/0 Type II, Model WT-3750, 3750 GPD capacity.
- 159.015/2912/0 Type II, Model WT-5000, 5000 GPD capacity.
- 159.015/2913/0 Type II, Model WT-5000, 5000 GPD capacity, limited to D/S GLOMAR PACIFIC.
- 159.015/2919/0 Type II, Model WT-5000 Mod, 5000 GPD capacity.
- 159.015/2920/0 Type II, Model WT-1250P, 1250 GPD capacity.
- 159.015/2921/0 Type II, Model WT-2200P, 2200 GPD capacity.
- 159.015/2922/0 Type II, Model WT-6000P, 6000 GPD capacity.
- 159.015/2923/0 Type II, Model WT-7000P, 7000 GPD capacity.

Dia-Prosam, Marine Service, Dpt. of Water Cond., 107 Rue Edith C'Avel, 94400 Vitry-sur-Seine, France

- 159.015/9701/0 Type II, Model 20 A, 792 GPD capacity, for uninspected vessels.
- 159.015/9702/0 Type II, Model 20 B, 1585 GPD capacity, for uninspected vessels.
- 159.015/9703/0 Type II, Model 30 A, 1188 GPD capacity, for uninspected vessels.
- 159.015/9704/0 Type II, Model 30 B, 2377 GPD capacity, for uninspected vessels.
- 159.015/9705/0 Type II, Model 40 A, 1585 GPD capacity, for uninspected vessels.
- 159.015/9706/0 Type II, Model 40 B, 3170 GPD capacity, for uninspected vessels.
- 159.015/9707/0 Type II, Model 50 A, 1981 GPD capacity, for uninspected vessels.
- 159.015/9708/0 Type II, Model 50 B, 3693 GPD capacity, for uninspected vessels.

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159.015/9709/0 Type II, Model 60 A, 2377 GPD capacity, for uninspected vessels.
 159.015/9710/0 Type II, Model 60 B, 4755 GPD capacity, for uninspected vessels.
 159.015/9711/0 Type II, Model 75 A, 26813 GPD capacity, for uninspected vessels.
 159.015/9712/0 Type II, Model 75 B, 53626 GPD capacity, for uninspected vessels.

Dravo Corporation, Neville Island, Pittsburgh, PA 15225
 159.015/3101/0 Type III, Model Stack Injection Sys., 360 GPD capacity.

Enrique Lorenzo Y Cia, Factorias Vulcano, Apartado 1507, Vigo, Spain
 159.015/8601/0 Type II, Model CP 20, 750 GPD capacity.
 159.015/8602/0 Type II, Model CP 30, 1125 GPD capacity.
 159.015/8603/0 Type II, Model CP 40, 1500 GPD capacity.
 159.015/8604/0 Type II, Model CP 50, 1875 GPD capacity.
 159.015/8605/0 Type II, Model CP 65, 2433 GPD capacity.
 159.015/8606/0 Type II, Model CP 80, 2995 GPD capacity.

Envirovac, Inc. (formerly Effluent Technology Co., Inc.), 1260 Turret Dr., Rockford, IL 61111
 159.015/6301/0 Type I, Model Mark 1 MSD, 240 GPD capacity.
 159.015/6302/0 Type I, Model ORCA I-20(M0.5), 240 GPD capacity, for inspected vessels.
 159.015/6303/0 Type I, Model ORCA I-12(M.25), 12 persons capacity, for inspected vessels.

Enrique Lorenzo y Cia, Factorias Vulcano, Apartado 1507, Vigo, Spain
 159.015/8601/0 Type II, Model CP 20, 750 GPD capacity.
 159.015/8602/0 Type II, Model CP 30, 1125 GPD capacity.
 159.015/8603/0 Type II, Model CP 40, 1500 GPD capacity.
 159.015/8604/0 Type II, Model CP 50, 1875 GPD capacity.
 159.015/8605/0 Type II, Model CP 65, 2433 GPD capacity.
 159.015/8606/0 Type II, Model CP 80, 2995 GPD capacity.

Exstar International Corp., 6502 Windmill Way, Wilmington, NC 28405
 159.015/801/0 Type I, Model MSS-PT, 4000 GPD capacity.
 159.015/802/0 Type I, Model MTT-3, 1000 GPD capacity.
 159.015/803/0 Type I, Model MTT-4, 1000 GPD capacity.
 159.015/804/0 Type I, Model MTT-3-1, unknown capacity, limited to NOAA vsI ALBATROSS IV.
 159.015/805/0 Type I, Model MTT-3-2, unknown capacity, limited to M/V ITALICA & AMERICA.
 159.015/1501/0 Type III, Model Sanirator 57P5E, 12 persons capacity.
 159.015/1502/0 Type III, Model Sanirator 57P2E, 12 persons capacity.
 159.015/1503/0 Type III, Model Sanirator 57P9E, 12 persons capacity.
 159.015/1504/0 Type III, Model Sanirator 57F5E, 12 persons capacity.
 159.015/1505/0 Type III, Model Santhead #6, 22 flushes capacity.
 159.015/1506/0 Type I, Model SS 600 I, 750 GPD capacity.
 159.015/1513/0 Type I, Model MTT-4, unknown capacity, limited to M/V EUGENIO C.
 159.015/1514/0 Type I, Model MTT-4 I VAR, 192,500 GPD capacity, limited to M/V ITALIA.
 159.015/1515/0 Type I, Model MTT-4 I VAR, 27,000 GPD capacity, limited to M/V STELLA MARIS. Former certification no. 159.15/1015/15/L.
 159.015/1516/0 Type I, Model MTT-4 I VAR, 90,000 GPD capacity, limited to M/V STELLA SOLARIS.
 Former certification no. 159.15/1015/16/L.
 159.015/1517/0 Type I, Model MTT-4 I VAR, 510,000 GPD capacity, limited to M/V QUEEN ELIZABETH 2.
 Former certification no. 159.15/1015/17/L.
 159.015/1518/0 Type I, Model MTT-4 I VAR, 103,250 GPD capacity, limited to M/V GALILEO GALILEI.
 Former certification no. 159.15/1015/18/L.
 159.015/1519/0 Type I, Model MTT-4 I VAR, 85,950 GPD capacity, limited to M/V GALILEO MARCONI.
 Former certification no. 159.15/1015/19/L.
 159.015/1520/0 Type I, Model MTT-4 I VAR, 127,500 GPD capacity, limited to M/V JUPITER.

FORMERLY CERTIFIED MARINE SANITATION DEVICES

- 159.015/1521/0 Type I, Model MTT-4 I VAR, 297,000 GPD capacity, limited to M/V MERMOZ.
 159.015/1522/0 Type I, Model MTT-4 I VAR, 262,000 GPD capacity, limited to M/V WORLD RENAISSANCE. Former certification no. 159.15/1015/22/I.
 159.015/1523/0 Type I, Model MTT-4 I VAR, 157,500 GPD capacity, limited to M/V OCEANUS.
 159.015/1524/0 Type I, Model MTT-4 I VAR, 210,000 GPD capacity, limited to M/V COUNTLESS.
 159.015/1525/0 Type I, Model MTT-4 I VAR, 210,000 GPD capacity, limited to M/V PRINCESS.
 159.015/1526/0 Type I, Model MTT-4, unknown capacity, limited to M/V MEDOFORA.
 159.015/1527/0 Type I, Model MTT-4, unknown capacity, limited to M/V AMERICAN ARROW.
 159.015/1528/0 Type I, Model MTT-4, unknown capacity, limited to M/V SEATRAN BUNKER HL.
 159.015/1529/0 Type II, Model MTT-3-3, unknown capacity, limited to M/V DaRECCO, M/V SEATRAN C. Former certification no. 159.15/1015/29/II.
 159.015/1530/0 Type I, Model MTT-3-3, unknown capacity, limited to M/V DA V VERRANZANO.
 159.015/1531/0 Type I, Model MTT-3-3, unknown capacity, limited to M/V DA NOLI.
 159.015/1535/0 Type II, Model SS-630 II VAR, 6910 GPD capacity, for uninspected vessels.

FAST Systems Inc., 1717 Sublette Ave., St. Louis, MO 63110

- 159.015/301/0 Type II, Model FAST 15D, 650 GPD capacity.
 159.015/302/0 Type II, Model FAST 12D, 360 GPD capacity.
 159.015/303/0 Type II, Model FAST 18D, 540 GPD capacity.
 159.015/304/0 Type II, Model FAST 25D, 750 GPD capacity.
 159.015/305/0 Type II, Model FAST 40D, 1200 GPD capacity.
 159.015/306/0 Type I, Model FAST 200D, limited to Army Corps of Engineers Barge #7403.
 159.015/307/0 Type II, Model FAST 9M, 9 persons capacity, for inspected vessels.
 159.015/308/0 Type II, Model FAST 18M, 18 persons capacity, for inspected vessels.
 159.015/309/0 Type II, Model FAST 40DGS1, 1200 GPD capacity, for uninspected vessels.
 159.015/310/0 Type II, Model FAST 40DS2, 1200 GPD capacity, for uninspected vessels.
 159.015/311/0 Type II, Model FAST 40 DS3, 1200 GPD capacity, for uninspected vessels.
 159.015/312/0 Type II, Model FAST 50D, 1500 GPD capacity, for inspected vessels.
 159.015/313/0 Type II, Model FAST 50D4, 1200 GPD capacity, for inspected vessels.
 159.015/314/0 Type II, Model FAST 8DNS, 2400 GPD capacity, for uninspected vessels.
 159.015/315/0 Type II, Model FAST 6M, 6 persons capacity.
 159.015/316/0 Type II, Model FAST 13M, 14 persons capacity.
 159.015/317/0 Type II, Model FAST 1700DS, 1700 persons capacity.
 159.015/318/0 Type II, Model FAST 18D4, 1200 GPD capacity.
 159.015/319/0 Type II, Model FAST 40D4, 3240 GPD capacity.
 159.015/320/0 Type II, Model FAST 80D4, 6300 GPD capacity.
 159.015/321/0 Type II, Model FAST 26M, 3840 GPD capacity.
 159.015/322/0 Type II, Model FAST 38D4, 5700 GPD capacity.
 159.015/323/0 Type II, Model FAST 1250, 40 persons capacity.
 159.015/324/0 Type II, Model FAST 750, 25 persons capacity.
 159.015/325/0 Type II, Model FAST 880, 70 persons capacity.
 159.015/326/0 Type II, Model FAST 2150, 70 persons capacity.
 159.015/327/0 Type II, Model FAST 550, 10 persons capacity.
 159.015/328/0 Type II, Model FAST 2080, 200 persons capacity.
 159.015/329/0 Type II, Model FAST 1280, 125 persons capacity.
 159.015/330/0 Type II, Model FAST 32D4S, 32 persons capacity, limited to M/V BELLE RIVER.
 159.015/331/0 Type II, Model B 35 D, 33 persons capacity.
 159.015/333/0 Type II, Model FAST LS2, 8 persons capacity.
 159.015/334/0 Type II, Model FAST LS3, 12 persons capacity.
 159.015/335/0 Type II, Model FAST 1100-RX, limited to M/S CONSTELLATION.
 159.015/336/0 Type II, Model Retrofit NCL1200S, limited to M/S SOUTHWARD.
 159.015/337/0 Type II, Model Retrofit NCL1200S, limited to M/S SKYWARD.
 159.015/338/0 Type II, Model Retrofit NCL1200S, limited to M/S STARWARD.

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159.015/339/0 Type II, Model 1680-2R, 15500 GPD capacity.
 159.015/340/0 Type II, Model FAST 720D-RK, 21,700 GPD capacity.
 159.015/341/0 Type II, Model FAST D1, 690 GPD capacity.
 159.015/342/0 Type II, Model FAST D2, 990 GPD capacity.
 159.015/343/0 Type II, Model FAST D3, 1500 GPD capacity.
 159.015/344/0 Type II, Model FAST D4, 2220 GPD capacity.
 159.015/345/0 Type II, Model FAST D5, 2790 GPD capacity.
 159.015/346/0 Type II, Model FAST M1, 270 GPD capacity.
 159.015/347/0 Type II, Model FAST M2, 420 GPD capacity.
 159.015/348/0 Type II, Model FAST M3, 630 GPD capacity.
 159.015/349/0 Type II, Model FAST M4, 840 GPD capacity.
 159.015/350/0 Type II, Model FAST M5, 1260 GPD capacity.
 159.015/356/0 Type II, Model FAST M-6, 1515 GPD capacity.
 159.015/357/0 Type II, Model Fast 600D, unknown capacity, for uninspected vessels.
 159.015/358/0 Type II, Model L-4, 510 GPD capacity, for inspected vessels.
 159.015/359/0 Type II, Model L-5, 660 GPD capacity, for inspected vessels.
 159.015/360/0 Type II, Model L-6, 1290 GPD capacity, for inspected vessels.
 159.015/361/0 Type II, Model L-7, 2040 GPD capacity, for inspected vessels.
 159.015/362/0 Type II, Model L-8, 2910 GPD capacity, for inspected vessels.
 159.015/363/0 Type II, Model L-9, 4500 GPD capacity, for inspected vessels.
 159.015/364/0 Type II, Model L-10, 6000 GPD capacity, for inspected vessels.
 159.015/365/0 Type II, Model L-11, 7800 GPD capacity, for inspected vessels.
 159.015/366/0 Type II, Model L-12, 9900 GPD capacity, for inspected vessels.
 159.015/367/0 Type II, Model L-13, 12300 GPD capacity, for inspected vessels.
 159.015/368/0 Type II, Model L-14, 14700 GPD capacity, for inspected vessels.
 159.015/369/0 Type II, Model L-15, 17400 GPD capacity, for inspected vessels.
 159.015/370/0 Type II, Model 1350 DS, 15180 GPD capacity, limited to Gulfspan Ferries.

Firestone Coated Fabrics Company, P.O. Box 869, Magnolia, AR 71753

159.015/2001/0 Type III, Model Flexfit #15, 15 gal. capacity.
 159.015/2002/0 Type III, Model Flexfit #30, 30 gal. capacity.
 159.015/2003/0 Type III, Model Flexfit #40, 40 gal. capacity.
 159.015/2004/0 Type III, Model Flexfit #100, 100 gal. capacity.
 159.015/2005/0 Type III, Model 50, 50 gal. capacity.

General American Research, Div. GATX, 7449 Natchez Ave., Niles, IL 60648

159.015/1201/0 Type III, Model ETS-II, 25 persons capacity.
 159.015/1202/0 Type I, Model MSS-I, 3840 GPD capacity.

Hacettepe University, Institute of Technology, Ankara, Turkey

159.015/8801/0 Type II, Model HU-2, 50 persons capacity.

Hamann Wassertechnik GmbH U, Postfach 131, 2105 Hamburg-Scevetal 2, Federal Republic of Germany

159.015/6006/0 Type II, Model HL-CONT Compact, 25000 GPD capacity, for uninspected vessels. Former certification no. 159.15/1060/6/II.
 159.015/6007/0 Type II, Model HL-CONT Comp/A, 12500 GPD capacity, for uninspected vessels. Former certification no. 159.15/1060/7/II.

Hamworthy Engineering Ltd., Pump and Compressor Div., Fleets Corner, Poole, Dorset BH17 7LA, United Kingdom

159.015/2308/0 Type II, Model T-10, 180 GPD capacity.
 159.015/2309/0 Type II, Model T-20, 360 GPD capacity.
 159.015/2310/0 Type II, Model T-30, 540 GPD capacity.
 159.015/2311/0 Type II, Model T-40, 720 GPD capacity.

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- 159.015/2312/0 Type II, Model T-50, 900 GPD capacity.
 159.015/2313/0 Type II, Model T-60, 1080 GPD capacity.
 159.015/2314/0 Type II, Model T-75, 1350 GPD capacity.
 159.015/2315/0 Type II, Model T-100, 1800 GPD capacity.
 159.015/2322/0 Type III, Model ST-2R, 20 persons capacity.
 159.015/2323/0 Type III, Model ST-4R, 40 persons capacity.
 159.015/2324/0 Type III, Model ST-6R, 60 persons capacity.
 159.015/2325/0 Type III, Model ST-8R, 80 persons capacity.
 159.015/2326/0 Type III, Model ST-10R, 700 persons capacity.
 159.015/2330/0 Type II, Model 150-S, 2700 GPD capacity.
- Hamworthy USA, 365 French Road, Buffalo, NY 14227
 159.015/5801/0 Type II, Model ST-2, 360 GPD capacity.
 159.015/5802/0 Type II, Model ST-4, 720 GPD capacity.
 159.015/5803/0 Type II, Model ST-6, 1080 GPD capacity.
 159.015/5804/0 Type II, Model ST-8, 1440 GPD capacity.
 159.015/5805/0 Type II, Model ST-10, 1800 GPD capacity.
 159.015/5806/0 Type II, Model ST-15, 2700 GPD capacity.
 159.015/5808/0 Type III, Model ST-6R, 1080 GPD capacity, limited to M/V DAVID STAIR JORDAN. Former certification no. 159.15/1058/8/III.
- Heishin Engineering and Equipment, Minaki Honmachi 1-1-54 Hyogo-Ku, Kobe 652, Japan
 159.015/2601/0 Type II, Model Cleardam PS-40, 470 GPD capacity.
 159.015/2602/0 Type III, Model Cleardam PS/CR-40, 470 GPD capacity.
 159.015/2603/0 Type III, Model Cleardam PS/CR-80, 780 GPD capacity.
 159.015/2604/0 Type II, Model Cleardam PS-80, 780 GPD capacity.
- Humphrey Marine Sewage Treatment, PO Box 341, Del Mar, CA 92014
 159.015/5402/0 Type II, Model 12, 10484 LPD/2770 GPD capacity for inspected vessels.
- Hyde Products, 810 Sharon Drive, Cleveland, OH 44145
 159.015/1901/0 Type II, Model Ship Sewage Treatment System, 6000 GPD capacity.
- International Watersaving Systems, P.O. Box 605, Avon, MA 02322
 159.015/901/0 Type I, Model Nastromatic 350, 4 uses/hr. capacity.
 159.015/903/0 Type I, Model IWSS Sys 1000 SA, 4 persons capacity.
 159.015/904/0 Type I, Model IWSS Sys 1000 E, 4 persons capacity.
 159.015/905/0 Type I, Model IWSS Sys 1000 R, 4 persons capacity.
- Ishida Sempaku Kogyo Co., Serita Bldg. 5 3 13, Minamishinagawa, Shinagawa-Ku, Tokyo, Japan
 159.015/7901/0 Type II, Model STS-2, unknown capacity.
 159.015/7902/0 Type II, Model STS-3, unknown capacity.
 159.015/7903/0 Type II, Model STS-4, unknown capacity.
 159.015/7904/0 Type II, Model FORTUNE, unknown capacity.
 159.015/7905/0 Type II, Model FREEDOM, unknown capacity.
- Ishikawajima-Harima Heavy Ind., Yokohama Shipyard, 12 Shin-Sagita-Cho Isogo Yokohama, Japan
 159.015/7001/0 Type II, Model STS-2, 40 persons capacity.
 159.015/7002/0 Type II, Model STS-3, 60 persons capacity.
 159.015/7003/0 Type II, Model STS-4, 80 persons capacity.
 159.015/7004/0 Type II, Model FORTUNE, 80 persons capacity.
 159.015/7005/0 Type II, Model FREEDOM, 80 persons capacity.
- Japan Development Consultants Inc., 1 Tatagami-Cho, Sasebo-City, Nagasaki, Japan
 159.015/81/0 Type II, Model CLEAN FRIEND, 554 GPD capacity.

EQUIPMENT LISTS

Kimco Inc. (formerly Houston Systems), P.O. Box 1551, Houston, TX 77251

- 159.015/8201/0 Type II, Model HF 5M, 100 GPD capacity, for inspected vessels.
- 159.015/8202/0 Type II, Model HF 10M, 200 GPD capacity, for inspected vessels.
- 159.015/8203/0 Type II, Model HF 13M, 260 GPD capacity, for inspected vessels.
- 159.015/8204/0 Type II, Model HF 19M, 380 GPD capacity, for inspected vessels.
- 159.015/8205/0 Type II, Model HF 26M, 520 GPD capacity, for inspected vessels.
- 159.015/8206/0 Type II, Model HF 32M, 640 GPD capacity, for inspected vessels.
- 159.015/8207/0 Type II, Model HF 41M, 820 GPD capacity, for inspected vessels.
- 159.015/8208/0 Type II, Model HF 58M, 1160 GPD capacity, for inspected vessels.
- 159.015/8209/0 Type II, Model HF 71M, 1420 GPD capacity, for inspected vessels.
- 159.015/8210/0 Type II, Model HF 84M, 1680 GPD capacity, for inspected vessels.
- 159.015/8211/0 Type II, Model HF 104M, 2080 GPD capacity, for inspected vessels.
- 159.015/8212/0 Type II, Model HF 130M, 2600 GPD capacity, for inspected vessels.
- 159.015/8213/0 Type II, Model HF 156M, 3120 GPD capacity, for inspected vessels.
- 159.015/8214/0 Type II, Model HF 175M, 3500 GPD capacity, for inspected vessels.
- 159.015/8215/0 Type II, Model HF 188M, 3760 GPD capacity, for inspected vessels.
- 159.015/8216/0 Type II, Model HF 208M, 4160 GPD capacity, for inspected vessels.
- 159.015/8217/0 Type II, Model HF 234M, 4680 GPD capacity, for inspected vessels.
- 159.015/8218/0 Type II, Model HF 292M, 5840 GPD capacity, for inspected vessels.
- 159.015/8219/0 Type II, Model HF 325M, 6500 GPD capacity, for inspected vessels.
- 159.015/8220/0 Type II, Model HF 357M, 7140 GPD capacity, for inspected vessels.
- 159.015/8221/0 Type II, Model HF 390M, 7800 GPD capacity, for inspected vessels.
- 159.015/8222/0 Type II, Model HF 455M, 9100 GPD capacity, for inspected vessels.
- 159.015/8223/0 Type II, Model HF 2M, 40 GPD capacity, for inspected vessels.

Koehler Manufacturing Co., Marlboro, MA 01752

- 159.015/1301/0 Type III, Model Konvert-a-Head, 22 flushes capacity.

Koehler-Dayton, P.O. Box 309, New Britain, CT 06050

- 159.015/1302/0 Type I, Model Enviro-Mac, 1730 GPD capacity.
- 159.015/1303/0 Type I, Model Enviro-Mac II, 1730 GPD capacity.

Marine Ventures, Ltd., Fifth Floor, 8 Waterloo Place, London SW1Y 4BE, United Kingdom

- 159.015/9401/0 Type II, Model Seacare 10, 10 persons capacity.
- 159.015/9402/0 Type II, Model Seacare 40, 40 persons capacity.
- 159.015/9403/0 Type II, Model Seacare 200, 200 persons capacity.

Monogram Sanitation, a Nortek Company, 4030 Freeman Blvd., Redondo Beach, CA 90278

- 159.015/201/0 Type I, Model MONOTRON 764, limited capacity.
- 159.015/202/0 Type III, Model Handihead 158, 50 uses capacity.
- 159.015/203/0 Type III, Model NEWMATIC 53420, 80 uses capacity.
- 159.015/204/0 Type III, Model Monomatic 641, 80 uses capacity.
- 159.015/205/0 Type III, Model 55000-002, 10 gal. capacity.

P & O Cruises, Duke's Keep, Marsh Lane, Southampton, United Kingdom

- 159.015/8401/0 Type III, specific unit, limited to M/V PACIFIC PRINCESS.
- 159.015/8402/0 Type III, specific unit, limited to M/V ISLAND PRINCESS.

Raritan Engineering Co., Inc., 530 Orange St., P.O. Box 1157, Millville, NJ 08332

- 159.015/101/0 Type I, Model Lectra/San 12, 4 persons capacity, for uninspected vessels.
- 159.015/102/0 Type I, Model Lectra/San 32, 4 persons capacity, for uninspected vessels.
- 159.015/1701/0 Type III, Model CHTT, 5 gal. capacity.
- 159.015/1702/0 Type III, Model RHT 15, 15 gal. capacity.
- 159.015/1703/0 Type III, Model RHT 30, 30 gal. capacity.

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Rauma Repola Oy, Uusikaupunki Shipyard, SF-23501 Uusikaupunki, Finland
159.015/6711/0 Type II, Model Unex Bio Sectnl, unknown capacity.

Red Fox Industries, Inc., P.O. Drawer 640, New Iberia, LA 70561
159.015/641/0 Type II, Model RF-250 GPM-MCL, limited to S/S EMERALD SEAS.
159.015/668/0 Type II, Model Fox Pac FP750, 750 GPD capacity.
159.015/669/0 Type II, Model Fox Pac FP2000, 2000 GPD capacity.

Sanitation Devices, 935 St. Peter St., New Orleans, LA 70116
159.015/501/0 Type III, Model Aqua-Sans A, 140 UPD capacity.
159.015/502/0 Type III, Model Aqua-Sans A/S, 140 UPD capacity.
159.015/503/0 Type III, Model Aqua-Sans A/B-1, 245 UPD capacity.
159.015/504/0 Type III, Model Aqua-Sans A/B-2, 420 UPD capacity.
159.015/505/0 Type III, Model Aqua-Sans B, 1015 UPD capacity.

Sanitation Equipment Ltd., 1081 Alness Street, Downsview, Ontario, Canada M3J 2J1
159.015/2101/0 Type III, Model Potpourri 707, 60 flushes capacity.
159.015/2102/0 Type III, Model Potpourri 737, 90 flushes capacity.
159.015/8301/0 Type III, Model PASSPORT 430, unknown capacity.
159.015/8302/0 Type III, Model PASSPORT 470.
159.015/8303/0 Type III, Model PASSPORT 570.

Schmidt Environmental Products, 4540 East 60th Avenue, Commerce City, CA 80022
159.015/4801/0 Type II, Model MSD-40, 4000 GPD capacity.
159.015/4802/0 Type II, Model MSD-80, 8000 GPD capacity.

Sealand Technology Inc., Fourth Street, P.O. Box 38, Big Prairie, OH 44611
159.015/1401/0 Type III, Model 300 Series, 12-42 gal. capacity.
159.015/1403/0 Type III, Model 600 Series, 12-42 gal. capacity.
159.015/1405/0 Type III, Model 912-M28, 8.25 gal. capacity.
159.015/1407/0 Type I, Model TDX, 480 GPD capacity, for inspected vessels
159.015/1408/0 Type I, Model TDX, 480 GPD capacity, for inspected vessels
159.015/1409/0 Type I, Model TDX-S, 480 GPD capacity, for inspected vessels
159.015/1410/0 Type III, Model 913-M28, 8.25 gal. capacity, for inspected vessels.

Sigma Treatment Systems Division, Parmatic Filter Corp., 92 Newark Pompton Turnpike, Wayne, NJ 07470
159.015/4601/0 Type I, Model STS-1, 3600 GPD capacity.
159.015/4602/0 Type I, Model STS-IM(C/D), 3600 GPD capacity.
159.015/4603/0 Type I, Model STS-IM(A/D), 3600 GPD capacity.
159.015/4604/0 Type I, Model STS-1P, limited to M/V STATENDAM.
159.015/4605/0 Type I, Model STS-1P, limited to M/V MONARCH STAR.
159.015/4607/0 Type I, Model STS-1P, limited to M/V VOLENDAM.
159.015/4610/0 Type I, Model STS-1P, limited to M/V DORIC.
159.015/4611/0 Type II, Model STS-II (A/D), limited to M/V POLAR ECUADOR.
159.015/4612/0 Type II, Model STS-II (A/D), limited to M/V PYTHIA.
159.015/4616/0 Type II, Model STS-II (A/D), limited to M/V MARYLISA.
159.015/4617/0 Type I, Model STS-1P, limited to M/V SAGAFJORD.
159.015/4618/0 Type II, Model STS-II (A/D), limited to M/V CLEANTHES.
159.015/4619/0 Type II, Model STS-II (A/D), limited to M/V ARMONIA.
159.015/4620/0 Type II, Model STS-II (A/D), limited to M/V KARIN VATIS.
159.015/4626/0 Type II, Model STS-II (A/D), limited to M/V VOMAR.
159.015/4627/0 Type II, Model STS-II (A/D), limited to M/V LAURENTIAN FOREST.
159.015/4628/0 Type II, Model STS-II (A/D), limited to M/V ICAROS.
159.015/4629/0 Type II, Model STS-II (A/D), limited to M/V CARYATIS.
159.015/4630/0 Type II, Model STS-II (A/D), limited to M/V AIOLOS.

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159.015/4631/0 Type II, Model STS-II (A/D), limited to M/V WINSTON.
 159.015/4632/0 Type II, Model STS-II (A/D), limited to M/V APJ PRIYA.
 159.015/4633/0 Type I, Model STS-IM (A/D), limited to M/V MARTHA ENVOY.
 159.015/4634/0 Type II, Model STS-II (A/D), limited to M/S ION.
 159.015/4635/0 Type II, Model STS-II (A/D), limited to M/V ZEPHYROS.
 159.015/4636/0 Type II, Model STS-II (A/D), limited to M/V DIMITROIS.
 159.015/4637/0 Type II, Model STS-II (A/D), limited to M/V MORMACGLEN.
 159.015/4638/0 Type II, Model STS-II (A/D), limited to M/V FAETHON.
 159.015/4639/0 Type I, Model STS-IM (A/D), limited to M/V MIHALIS.
 159.015/4640/0 Type II, Model STS-II (A/D), unknown capacity, for uninspected vessels.
 159.015/4641/0 Type II, Model STS-II (A/D), limited to M/T SEALION.
 159.015/4642/0 Type II, Model STS-IIP, 12000 GPD capacity, limited to U.S.N.S. HARKNESS.
 159.015/4643/0 Type II, Model STS-IIP, 12000 GPD capacity, limited to U.S.N.S. CHAUVENET.

Sitmar Cruises, Level 18, Commercial Tower, Maritime Centre, 201 Kent, Sydney, NWS, Australia
 159.015/7701/0 Type I, limited to TSS FAIRSEAS & TSS FAIRWINDS.

Southern Towing Co., P.O. Box 411, Memphis, TN 38101
 159.015/8701/0 Type II, Model Crouse Type II, 540 GPD capacity.

Standard Products Co., Product Development Div., 2401 South Gully Road, Dearborn, MI 48124
 159.015/4401/0 Type III, Model Pyrosan, 8 persons capacity.

Thetford Marine Sanitation, 7101 Jackson Road, Ann Arbor, MI 48106
 159.015/1801/0 Type III, Model Sea Farer, 50 flushes capacity, for inspected vessels.
 159.015/1802/0 Type III, Model Porta Potti, 50 flushes capacity, for inspected vessels.
 159.015/1803/0 Type III, Model Penta Potti, 50 flushes capacity, for inspected vessels.
 159.015/1805/0 Type III, Model Aquamate, 8-10 persons capacity.

Toko Seiki Co., Ltd., 6-9-13 Meguro-Honmachi, Meguro-Ko, Tokyo, Japan
 159.015/4201/0 Type II, Model AWWU Discharge, 9360 GPD capacity, for uninspected vessels.
 159.015/4202/0 Type III, Model AWWU No Discharge, 9360 GPD capacity, for uninspected vessels.

Tridente Industria Ltd., Av Rio Branco 4-4 Andar, Rio de Janeiro, Brazil
 159.015/6401/0 Type II, Model ST-2, 360 GPD capacity, for uninspected vessels.
 159.015/6402/0 Type II, Model ST-4, 720 GPD capacity, for uninspected vessels.
 159.015/6403/0 Type II, Model ST-6, 1040 GPD capacity, for uninspected vessels.
 159.015/6404/0 Type II, Model ST-8, 1440 GPD capacity, for uninspected vessels.
 159.015/6405/0 Type II, Model ST-10, 1800 GPD capacity, for uninspected vessels.
 159.015/6406/0 Type II, Model ST-15, 2700 GPD capacity, for uninspected vessels.
 159.015/6407/0 Type II, Model ST-20, 3600 GPD capacity, for uninspected vessels.
 159.015/6408/0 Type II, Model RT-2, 360 GPD capacity, for uninspected vessels.
 159.015/6409/0 Type II, Model RT-4, 720 GPD capacity, for uninspected vessels.
 159.015/6410/0 Type II, Model RT-6, 1080 GPD capacity, for uninspected vessels.
 159.015/6411/0 Type II, Model RT-8, 1440 GPD capacity, for uninspected vessels.
 159.015/6412/0 Type II, Model ST-25, 4500 GPD capacity, for uninspected vessels.
 159.015/6413/0 Type II, Model ST-30, 5400 GPD capacity, for uninspected vessels.

U.S. Army Corps of Engineers, Huntington District, P.O. Box 2127, Huntington, WV 25721
 159.015/9301/0 Type II, Model Type II Existing Tank, unknown capacity.

Volcano Co. Ltd., 3-38 1-Chome, Nonaka-Kita, Yodogawa-Ku, Osaka 532, Japan
 159.015/6901/0 Type III, Model ThermalJohn-VTI, 5 persons capacity.

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Wilcox-Crittenden Division, Gulf & Western Corp., P.O. Box 1111, Middletown, CT 06457
 159.015/401/0 Type III, Model 6012, 10 gal. capacity.

Willi Becker Ingenieurbüro, Danziger Strasse 22, 2000 Hamburg 1, Federal Republic of Germany

- 159.015/9001/0 Type II, Model HF 5 M, 100 GPD capacity, for uninspected vessels.
- 159.015/9002/0 Type II, Model HF 10 M, 200 GPD capacity, for uninspected vessels.
- 159.015/9003/0 Type II, Model HF 13 M, 260 GPD capacity, for uninspected vessels.
- 159.015/9004/0 Type II, Model HF 19 M, 330 GPD capacity, for uninspected vessels.
- 159.015/9005/0 Type II, Model HF 26 M, 520 GPD capacity, for uninspected vessels.
- 159.015/9006/0 Type II, Model HF 32 M, 640 GPD capacity, for uninspected vessels.
- 159.015/9007/0 Type II, Model HF 41 M, 820 GPD capacity, for uninspected vessels.
- 159.015/9008/0 Type II, Model HF 58 M, 1160 GPD capacity, for uninspected vessels.
- 159.015/9009/0 Type II, Model HF 71 M, 1420 GPD capacity, for uninspected vessels.
- 159.015/9010/0 Type II, Model HF 84 M, 1680 GPD capacity, for uninspected vessels.
- 159.015/9011/0 Type II, Model HF 104 M, 2080 GPD capacity, for uninspected vessels.
- 159.015/9012/0 Type II, Model HF 130 M, 2600 GPD capacity, for uninspected vessels.
- 159.015/9013/0 Type II, Model HF 156 M, 3120 GPD capacity, for uninspected vessels.
- 159.015/9014/0 Type II, Model HF 175 M, 3500 GPD capacity, for uninspected vessels.
- 159.015/9015/0 Type II, Model HF 188 M, 3760 GPD capacity, for uninspected vessels.
- 159.015/9016/0 Type II, Model HF 208 M, 4160 GPD capacity, for uninspected vessels.
- 159.015/9017/0 Type II, Model HF 234 M, 4680 GPD capacity, for uninspected vessels.
- 159.015/9018/0 Type II, Model HF 292 M, 5840 GPD capacity, for uninspected vessels.
- 159.015/9019/0 Type II, Model HF 325 M, 6500 GPD capacity, for uninspected vessels.
- 159.015/9020/0 Type II, Model HF 357 M, 7140 GPD capacity, for uninspected vessels.
- 159.015/9021/0 Type II, Model HF 390 M, 7800 GPD capacity, for uninspected vessels.
- 159.015/9022/0 Type II, Model HF 455 M, 9100 GPD capacity, for uninspected vessels.

Wilson Walton International, Inc., 66 Hudson St., P.O. Box M-890, Hoboken, NJ 07030

- 159.015/2401/0 Type II, Model WE-60 Flowthru, 1800 GPD capacity, for inspected vessels.
- 159.015/2402/0 Type III, Model WE-60 Recirc, 60 persons capacity, for inspected vessels.

Wilson Water Purification Co., 2371 Broadway, Buffalo, NY 14212

- 159.015/3401/0 Type II, Model MA-CL-15-600, 600 GPD capacity.
- 159.015/3402/0 Type II, Model MA-CL-25-1000, 1000 GPD capacity, for uninspected vessels.
- 159.015/3403/0 Type II, Model MA-CL-25-2000, 2000 GPD capacity, for uninspected vessels.

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EQUIPMENT LISTS

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.002 LIFE PRESERVERS, KAPOK, ADULT AND CHILD (JACKET TYPE)

As of July 1, 1963, all kapok life preservers which do not have plastic-covered pad inserts were required to be removed from inspected vessels and are no longer accepted as part of the required equipment on uninspected vessels. Models 3 and 5 kapok life preservers have the required plastic-covered inserts. Kapok life preservers bearing any other model numbers do not have the required plastic-covered inserts. Kapok life preservers which do not have plastic-covered pad inserts may continue to be used on recreational boats as long as they are in good and serviceable condition.

American Pad and Textile Co., Greenfield, OH 45123

160.002/1/0 Model 2, adult.
160.002/4/0 Model 6, child.

Atlantic Pacific Manufacturing Corp., 200 Mount Pleasant Ave., Newark, NJ 07104

160.002/5/0 Model 2, adult.
160.002/6/1 Type I Life Preserver, Adult, Model 3.
160.002/7/1 Type I Life Preserver, Child (under 90 lb.), Model 5.
160.002/8/0 Model 6, child.
160.002/124/0 Type I Life Preserver, Adult, Model 3.
160.002/125/0 Type I Life Preserver, Child (under 90 lb.), Model 5.

Atlas Products, 2459 University Ave., St. Paul, MN 55114

160.002/42/0 Model 2, adult.
160.002/43/0 Model 6, child.

Badgley Manufacturing Co., 1727 North Benton, Portland, OR 97227

160.002/92/0 Model 3, adult.
160.002/93/0 Model 5, child.

Billy Boy Products Div., 144 South Main St., Montgomery, MI 49255

160.002/48/0 Model 2, adult.
160.002/49/0 Model 6, child.
160.002/74/0 Type I Life Preserver, Adult, Model 3.
160.002/75/0 Type I Life Preserver, Child (under 90 lb.), Model 5.

Burlington Mills, Inc., Burlington, WI 53105

160.002/35/0 Model 2, adult.
160.002/76/0 Model 3, adult.
160.002/77/0 Model 5, child.

C. A. Reed Furniture Co., 4424 East 49th St., Los Angeles, CA 90058

160.002/19/0 Model 2, adult.

Campeo Ventures, Inc., Div. of American Recreation, 1891 Woolner Ave., Fairfield, CA 94533

160.002/2/1 Model 3, adult.
160.002/3/1 Model 5, child.

Cluff Fabrics Products, Inc., 457 East 147th St., New York, NY 10031

160.002/9/0 Model 2, adult.
160.002/10/0 Model 3, adult.
160.002/11/0 Model 6, child.

Crawford Manufacturing Co., Inc., Third & Decatur Streets, Richmond, VA 23212

160.002/65/1 Type I Life Preserver, Adult, Model 3.
160.002/66/1 Type I Life Preserver, Child (under 90 lb.), Model 5.

EQUIPMENT LISTS

Delgrosso Brothers, Inc., 127 Main St., Franklin, NJ 07416
 160.002/112/0 Type I Life Preserver, Adult, Model 3.
 160.002/113/0 Type I Life Preserver, Child (under 90 lb.), Model 5.

Elvin Salow Co., 15 East St., Boston, MA 02211
 160.002/20/0 Model 2, adult.
 160.002/21/0 Model 6, child.
 160.002/67/0 Model 3, adult.
 160.002/68/0 Model 5, child.
 160.002/110/0 Type I, Adult, Model 3.
 160.002/111/0 Type I Life Preserver, Child (under 90 lb.), Model 5.

Ero Industries, Inc., 8130 North Lehigh Ave., Morton Grove, IL 60053-2614
 160.002/114/0 Type I Life Preserver, Adult, Model 3.
 160.002/115/0 Type I Life Preserver, Child (under 90 lb.), Model 5.

Fairfield Textile Works, Highway 40, P.O. Box 6, Fairfield, CA 94533
 160.002/30/0 Model 6, child.
 160.002/32/0 Model 2 adult.

General Textile Mills, Inc., Carbondale, PA 18407
 160.002/36/0 Model 2, adult.

Grand Novelty Hassock Co., Inc., 279-81 State St., Brooklyn, NY 11201
 160.002/12/0 Model 2, adult.
 160.002/13/0 Model 3, adult.

Hawkeye Sporting Goods Co., Box 613, Des Moines, IA 50302
 160.002/51/0 Model 2, adult.

Horner's Inc., Waseca, MN 56093
 160.002/106/0 Model 3, adult.
 160.002/107/0 Model 5, child.

International Cushion Co., 1110 NE Eighth Ave., Ft. Lauderdale, FL 33311
 160.002/55/1 Model 3, adult.
 160.002/56/1 Model 5, child.

Iowa Fiber Products, Inc., 316 Court Ave., Des Moines, IA 50309
 160.002/50/0 Model 2, adult.

J. C. Peasey & Co., Inc., 1301 Ave. of the Americas, New York, NY 10019
 160.002/100/0 Model 3, adult.
 160.002/101/0 Model 5, child.

Jurgensen Manufacturing Co., 162 Gates Ave., Brooklyn, NY 11216
 160.002/14/0 Model 2, adult.
 160.002/15/0 Model 5, child.
 160.002/16/0 Model 6, child.
 160.002/29/0 Model 3, adult.

Liberty Cork Co., Inc., 123 Whitehead Ave., South River, NJ 08882
 160.002/60/0 Model 2, adult.
 160.002/80/0 Model 3, adult.
 160.002/81/0 Model 5, child.

Lifo Products Co., 315 East 15th St., Covington, KY 42101
 160.002/84/0 Type I Life Preserver, Adult, Model 3.
 160.002/85/0 Type I Life Preserver, Child (under 90 lb.), Model 5.

Merit Manufacturing Corp., 92-15 172nd Street, Jamaica, NY 11433
 160.002/17/0 Model 2, adult.
 160.002/18/1 Model 3, adult.

160.002/54/0 Model 6, child.
160.002/69/0 Model 5, child.

Milco Marine Industries, 400 Thetford Ave., Brooklyn, NY 11212
160.002/126/0 Type I Life Preserver, Adult, Model 3.

Nautical Products Corp., 130 Atlantic Ave., Brooklyn, NY 11201
160.002/94/0 Type I Life Preserver, Adult, Model 3.
160.002/95/0 Type I Life Preserver, Child (under 90 lb.), Model 5.

New York Rubber Co., Swainsboro, GA 30401
160.002/86/0 Model 3, adult.
160.002/87/0 Model 5, child.

Noble Products Co., Box 327, Caldwell, OH 43724
160.002/46/0 Model 2, adult.
160.002/47/0 Model 6, child.
160.002/88/0 Model 3, adult.
160.002/89/0 Model 5, child.

Outdoor Supply Co., Inc., Oxford, NC 27566
160.002/118/0 Model 3, adult.
160.002/119/0 Model 5, child.
160.002/122/0 Model 3, adult.
160.002/123/0 Model 5, child.

Peoples Co., 712 Buffington St., Huntington, WV 25702
160.002/63/0 Model 2, adult.
160.002/64/0 Model 6, child.
160.002/72/0 Model 3, adult.
160.002/73/0 Model 5, child.

Plotl Manufacturing Co. (formerly Paris Southern, Gladding Corp., and Style-Crafters), P.O. Drawer 9038, Station A, Greenville, SC 29604
160.002/61/0 Model 2, adult.
160.002/62/0 Model 6, child.
160.002/78/0 Type I Life Preserver, Adult, Model 3.
160.002/79/0 Type I Life Preserver, Child (under 90 lb.), Model 5.

Red Head Brand Corp., 4949 Joseph Hardin Drive, Dallas, TX 75236
160.002/A102/1 Type I Life Preserver, Adult, Model 3.
160.002/A103/1 Type I Life Preserver, Child (under 90 lb.), Model 5.
160.002/120/0 Model 3, Adult, kapok "Life Preserver", Type I PFD.
160.002/121/0 Model 5, Child, kapok "Life Preserver", Type I PFD.

Robey Manufacturing Co., Newaygo, MI 49337
160.002/96/0 Model 3, adult.
160.002/97/0 Model 5, child.

Safeguard Corp., P.O. Box 14037, Cincinnati, OH 45214
160.002/38/0 Model 2, Adult, kapok "LIFE PRESERVER", Type I PFD.
160.002/39/0 Model 6, Child, kapok "LIFE PRESERVER", Type I PFD.

Sears, Roebuck and Co., Sears Tower, Dept. 606, Chicago, IL 60684
160.002/52/0 Model 2, adult.
160.002/53/0 Model 6, child.
160.002/57/0 Model 2, adult.
160.002/58/0 Model 6, child.
160.002/108/0 Type I, Ad. Univ., Model 3.
160.002/109/0 Type I, Ch. Univ., Model 5.
160.002/117/0 Model 5, child kapok life preserver.

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EQUIPMENT LISTS

Seattle Quilt Manufacturing Co., 310 First Avenue South, Seattle, WA 98104
160.002/44/0 Model 2, adult.
160.002/45/0 Model 6, child.

Seaway Manufacturing Co., 511 North Solomon Place, New Orleans, LA 70119
160.002/22/0 Model 2, adult.
160.002/23/0 Model 3, adult.
160.002/24/0 Model 5, child.
160.002/25/0 Model 6, child.

Stearns Manufacturing Co., 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302
160.002/40/0 Model 2, adult.
160.002/41/0 Model 6, child.
160.002/82/0 Model 3, adult.
160.002/83/0 Model 5, adult.

Swan Products Co., Inc., 145-92 228th Street, Springfield Gardens, NY 11413
160.002/59/0 Model 2, adult.
160.002/90/0 Model 3, adult.
160.002/91/0 Model 5, child.

Trigg Manufacturing Corp., P.O. Box 360, Cadiz, KY 42211
160.002/104/0 Model 3, adult.
160.002/105/0 Model 5, child.

West Products Co., P.O. Box 707, Newark, NJ 07101
160.002/98/0 Model 3, adult.
160.002/99/0 Model 5, child.

White Manufacturing Co., Inc., Fifth & Wacouta Streets, St. Paul, MN 55101
160.002/33/0 Model 2, adult.
160.002/34/0 Model 6, child.

Wilbur & Son, 590 Howard Street, San Francisco, CA 94105
160.002/26/0 Model 2, adult.
160.002/27/0 Model 3, adult.
160.002/28/0 Model 6, child.

160.003 LIFE PRESERVERS, CORK

Not acceptable on commercial vessels engaged in international voyages.

American Pad & Textile Co., Greenfield, OH 45123
160.003/3/0 Model 32, adult.
160.003/4/0 Model 36, child.

Atlantic Pacific Manufacturing Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104
160.003/1/0 Model 32, adult.
160.003/2/0 Model 36, child.

Billy Boy Products Div., 144 South Main St., Montgomery, MI 49255
160.003/11/0 Model 32, adult.
160.003/12/0 Model 36, child.

Bowman Manufacturers, Inc., 1823 Woodrow, Little Rock, AR 72205
160.003/23/0 Model 32, adult.
160.003/24/0 Model 36, child.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Elvin Salow Co., 15 East Street, Boston, MA 02211
 160.003/5/0 Model 32, adult.
 160.003/6/0 Model 36, child.

Liberty Cork Co., Inc., 123 Whitehead Ave., South River, NJ 08882
 160.003/19/0 Model 32, adult.
 160.003/20/0 Model 36, child.

Nautical Products Corp., 130 Atlantic Ave., Brooklyn, NY 11202
 160.003/27/0 Model 32, adult.
 160.003/28/0 Model 36, child.

New York Rubber Co., Swainsboro, GA 30401
 160.003/25/0 Model 32, adult.
 160.003/26/0 Model 36, child.

Noble Products Co., Box 327, Caldwell, OH 43724
 160.003/13/0 Model 32, adult.
 160.003/14/0 Model 36, child.

Plott Manufacturing Co. (formerly Paris Southern, Gladding Corp., and Style-Crafters), P.O. Drawer 9038,
 Station A, Greenville, SC 29604
 160.003/9/0 Model 32, adult.
 160.003/10/0 Model 36, child.

Sears, Roebuck and Co., Sears Tower, Dept. 606, Chicago, IL 60684
 160.003/17/0 Model 32, adult.
 160.003/18/0 Model 36, child.
 160.003/21/0 Model 32, adult.
 160.003/22/0 Model 36, child.

Southern Pacific Co., 65 Market St., San Francisco, CA 94105
 160.003/7/0 Model 32, adult.
 160.003/8/0 Model 36, child.

Sunde & D'Evers Co., Coleman Ferry Terminal, Seattle, WA 98104
 160.003/15/0 Model 32, adult.
 160.003/16/0 Model 36, child.

160.004 LIFE PRESERVERS, Balsa WOOD

Not acceptable on commercial vessels engaged in international voyages.

American Pad and Textile Co., Greenfield, OH 45123
 160.004/3/0 Model 42, adult.
 160.004/4/0 Model 46, child.

Atlantic Pacific Manufacturing Corp., 200 Mount Pleasant Ave., Newark, NJ 07104
 160.004/1/0 Model 42, adult.
 160.004/2/0 Model 46, child.

Ben-Sun Products Corp., 70 South Railroad St., New London, OH 44851
 160.004/19/0 Model 42, adult.
 160.004/20/0 Model 46, child.

Billy Boy Products Div., 144 South Main St., Montgomery, MI 49255
 160.004/7/0 Model 42, adult.
 160.004/8/0 Model 46, child.

EQUIPMENT LISTS

Bowman Manufacturers, Inc., 1823 Woodrow, Little Rock, AR 72205
 160.004/13/0 Model 42, adult.
 160.004/14/0 Model 46, child.

New York Rubber Co., Swainsboro, GA 30401
 160.004/21/0 Model 42, adult.
 160.004/22/0 Model 46, child.

Noble Products Co., Box 327, Caldwell, OH 43724
 160.004/5/0 Model 42, adult.
 160.004/6/0 Model 46, child.

Peoples Co., 712 Buffington St., Huntington, WV 25702
 160.004/17/0 Model 42, adult.
 160.004/18/0 Model 46, child.

Plott Manufacturing Co., P.O. Drawer 9038, Station A, Greenville, SC 29604
 160.004/9/0 Model 42, adult.
 160.004/10/0 Model 46, child.

Safeguard Corp., P.O. Box 14037, Cincinnati, OH 45214
 160.004/15/0 Model 42, adult.
 160.004/16/0 Model 46, child.

Sears, Roebuck and Co., Sears Tower, Dept. 606, Chicago, IL 60684
 160.004/11/0 Model 42, adult.
 160.004/12/0 Model 46, child.

160.005 LIFE PRESERVERS, FIBROUS GLASS, ADULT AND CHILD (JACKET TYPE)

As of July 1, 1963, all fibrous glass life preservers which do not have plastic-covered pad inserts were required to be removed from inspected vessels and are no longer accepted as part of the required equipment on uninspected vessels. Models 52 and 56 fibrous glass life preservers have the required plastic inserts. Fibrous glass life preservers bearing any other model numbers do not have the required plastic-covered inserts. Fibrous glass life preservers which do not have plastic-covered pad inserts may continue to be used on recreational boats as long as they are in good and serviceable condition.

American Pad & Textile Co., Greenfield, OH 45123
 160.005/1/0 Model 51, adult.
 160.005/2/0 Model 55, child.
 160.005/11/0 Model 52, adult.
 160.005/12/0 Model 56, child.

Atlantic Pacific Manufacturing Corp., 200 Mount Pleasant Ave., Newark, NJ 07104
 160.005/3/0 Model 51, adult.
 160.005/4/0 Model 55, child.
 160.005/15/0 Type I Life Preserver, Adult, Model 52.
 160.005/16/0 Type I Life Preserver, Child (under 90 lb.) Model 56.

Plott Manufacturing Co., P.O. Drawer 9038, Station A, Greenville, SC 29604
 160.005/17/0 Type I Life Preserver, Adult, Model 52.
 160.005/18/0 Type I Life Preserver, Child (under 90 lb.), Model 56.

Seaway Manufacturing Co., 511 North Solomon Place, New Orleans, LA 70119
 160.005/9/0 Model 51, adult.
 160.005/10/0 Model 55, child.

Victory Apparel Manufacturing Co., 238-50 Passaic St., Newark, NJ 07104
 160.005/5/0 Model 51, adult.
 160.005/6/0 Model 55, child.
 160.005/7/0 Model 52, adult.
 160.005/8/0 Model 56, child.

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.009 BUOYS, LIFE RING, CORK AND Balsa WOOD

American Pad And Textile Co., Greenfield, OH 45123

160.009/17/0 20-inch cork.
160.009/18/0 24-inch cork.
160.009/19/0 24-inch cork.
160.009/20/0 24-inch balsa wood.

Atlantic Pacific Mfg. Corp., 200 Mount Pleasant Ave, Newark, NJ 07104

160.009/12/0 20-inch cork balsa wood.
160.009/14/0 24-inch balsa wood.
160.009/15/0 30-inch cork.
160.009/16/0 30-inch balsa wood.
160.009/36/0 30-inch cork.
160.009/37/1 30-inch balsa wood.

Dodge Cork Co., Inc., Lancaster, PA 17604

160.009/25/0 20-inch cork.
160.009/26/0 24-inch cork.
160.009/27/0 30-inch cork.

Elvin Salow Co., 15 East Street, Boston, MA 02211

160.009/38/0 30-inch cork.

Fairfield Textile Works, Highway 40, PO Box 6, Fairfield, CA 94533

160.009/21/0 20-inch cork.
160.009/22/0 20-inch balsa wood.
160.009/23/0 24-inch cork.
160.009/24/0 20-inch balsa wood.

George Broom's Sons, 2620 Commodore Way, Seattle, WA 98199

160.009/40/0 30-inch cork.

Kamor Manufacturing Corp., 426 Great East Neck Road, West Babylon, NY 11704

160.009/39/0 30-inch balsa wood.

Kent Marine Products Co., 426 Great East Neck Road, West Babylon, NY 11704

160.009/28/0 20-inch cork.
160.009/29/0 24 inch cork.
160.009/30/0 30-inch cork.

Liberty Cork Co., Inc., 123 Whitehead Avenue, South River, NJ 08882

160.009/41/0 30-inch cork.
160.009/42/0 24-inch cork.

Nautical Products Corp., 130 Atlantic Avenue, Brooklyn, NY 11201

160.009/43/0 20-inch cork.
160.009/44/0 24-inch cork.
160.009/45/0 30-inch cork.

Rafigo Hendry Manufacturing Co., 12-A Panaron Way, Novato, CA 94947

160.009/31/0 30-inch cork.

Tapatco, Inc., PO Box 49, Fairfield, CA 94533

160.009/32/0 30-inch cork.

Western Canvas Products Co., 417 East Pine Street, Seattle, WA 98122

160.009/34/0 30-inch cork.
160.009/35/0 30-inch balsa wood.

Wilbur & Son, 590 Howard Street, San Francisco, CA 94105

160.009/6/0 20-inch cork.

160.009/7/0 20-inch balsa wood.
 160.009/8/0 24-inch cork.
 160.009/9/0 24-inch balsa wood.
 160.009/10/0 30-inch cork.

160.010 BUOYANT APPARATUS

American Pad and Textile Co., Greenfield, OH 45123

160.010/18/0 5.17' x 2.67' (8" x 8" body section), solid balsa wood, 5-person capacity.
 160.010/19/0 7.0' x 3.17' (9" x 9" body section), solid balsa wood, 10-person capacity.

Atlantic Pacific Manufacturing Corp., 200 Mount Pleasant Ave., Newark, NJ 07104

160.010/1/0 14' x 4' (8" x 12" body section), solid balsa wood, 10-person capacity.
 160.010/2/0 6' x 4' (10" x 12" body section), solid balsa wood, 20-person capacity.
 160.010/4/0 4' x 4' (8" x 16" body section), solid balsa wood, 12-person capacity.
 160.010/5/0 3' x 3' (8" x 12" body section), solid balsa wood, 6-person capacity.
 160.010/6/0 3' x 3' (10" x 12" body section), solid balsa wood, 8-person capacity.
 160.010/17/1 5.0' x 2.5' (7 1/2" x 9" body section) solid balsa wood, 5-person capacity.
 160.010/20/0 7.5' x 4.0' (11" x 11" body section), solid balsa wood, 20-person capacity.
 160.010/40/0 3.17' x 3.17' x 0.67' wood decking with cellular foam glass core, 6-person capacity.
 160.010/41/0 3.17' x 3.17' x 0.83' wood decking with cellular foam glass core, 8-person capacity.
 160.010/42/0 4.67' x 3.17' x 0.83' wood decking with cellular foam glass core, 12-person capacity.
 160.010/43/0 6.21' x 4.21' x 0.75' wood decking with cellular foam glass core, 20-person capacity.
 160.010/57/3 3.75' x 3.0' x 0.79', FRP shell with unicellular polyurethane plastic core, 12 person capacity.
 160.010/61/0 5.0' x 2.5' x (7 1/2" x 9" body section), FRP covered balsa wood, 5-person capacity.
 160.010/62/2 5.0' x 2.67' (7-1/2" x 10" body section), FRP shell with unicellular polyurethane core, 8 person capacity.
 160.010/63/2 7.5' x 4.0' (10" x 11 1/2" body section), FRP shell with unicellular polyurethane core, 20-person capacity.
 160.010/67/2 7.5' x 4.0' (10" x 11-1/2" body section), FRP shell with unicellular polyurethane core, 20 person capacity.
 160.010/68/2 5.0' x 2.67' (7 1/2" x 10" body section) FRP shell with unicellular polyurethane core, 5-person capacity.

C. C. Galbraith & Son, Inc., P.O. Box 185, Keyport, NJ 07735

160.010/3/3 6.0' x 4.0' x 0.67', pine decking with copper tanks, 18-person capacity.
 160.010/7/1 2' x 4' x .67', pine decking with copper tanks, 11-person capacity.
 160.010/8/1 4' x 4' x .67', pine decking with copper tanks, 20-person capacity.
 160.010/21/0 6.0' x 4.0' x 0.75', pine decking with copper tanks, 20-person capacity.
 160.010/25/1 6.0' x 4.0' x 0.83', wood decking with unicellular plastic foam core, 20-person capacity.
 160.010/26/1 4.5' x 2.71' x 0.83', wood decking with unicellular plastic foam core, 12-person capacity.
 160.010/27/2 3.0' x 2.71' x 0.83', wood decking with unicellular plastic foam core, 8-person capacity.

Lynn Laminates, Inc., Huntington Station, NY 11798

160.010/51/0 3.75' x 3.0' x 0.83', Type BP-12, FRP shell with unicellular plastic foam core, 12-person capacity.
 160.010/52/0 4.75' x 3.0' x 0.83', Type BP-15, FRP shell with unicellular plastic foam core, 15-person capacity.

Modcraft Co., Inc., 300 Wyckoff Ave., Brooklyn, NY 11227

160.010/15/0 4' x 4' (10" x 12" body section), solid balsa wood, 20-person capacity.
 160.010/16/0 5' x 2.5' (7 1/2" x 9" body section) solid balsa wood, 5-person capacity.

Plott Manufacturing Co., P.O. Drawer 9038, Station A, Greenville, SC 29604

160.010/65/2 4.17' x 3.0' (8" x 8" body section), fibrous glass rfd. neoprene latex shell with unicellular plastic foam core, 7-person.
 160.010/66/2 6.17' x 3.67' (10"x9 1/4" body sec.), fibrous glass rfd. neoprene latex shell w/ unicellular plastic foam core, 13-person.

Portland Industrial Plastics Co., 5128 North Albina Ave., Portland, OR 97217

160.010/36/2 4.0' x 3.0' x 0.67', FRP shell with unicellular plastic foam core, 11 person capacity.
 160.010/49/1 2.75' x 2.75' x 0.67', FRP shell with unicellular plastic foam core, 7 person capacity.
 160.010/50/1 4.0' x 4.0' x 0.75', FRP shell with unicellular plastic foam core, 16 person capacity.

FORMERLY APPROVED LIFESAVING EQUIPMENT

- 160.010/58/1 6.0' x 4.0' x 0.75', FRP shell with unicellular plastic foam core, 20 person capacity.
- Raftco Hendry Manufacturing Co., 12-A Pamarco Way, Novato, CA 94947
 160.010/46/2 3.25' x 3.0' x 0.71', FRP shell with unicellular plastic foam core, 10-person capacity.
 160.010/47/2 4.0' x 3.25' x 0.71', FRP shell with unicellular plastic foam core, 13-person capacity.
 160.010/48/2 6.0' x 4.0' x 0.71', FRP shell with unicellular plastic foam core, 20-person capacity.
 160.010/55/1 4.0' x 3.0' x 0.38', FRP shell with unicellular plastic foam core, 6-person capacity.
- Schat-Marine Safety Corporation, P.O. Box 465, Foot of Industrial Rd., Farmingdale, NJ 07727
 160.010/22/0 6.25' x 3.92' x 0.67', fibrous glass shell with unicellular plastic foam core, 20-person capacity.
 160.010/28/1 3.75' x 3.0' x 0.75', fibrous glass shell with unicellular plastic foam core, 11-person capacity.
 160.010/29/1 6.0' x 4.0' x 0.75', fibrous glass reinforced plastic shell with unicellular plastic foam core, 20-person capacity.
- Tapatco, Inc., P.O. Box 49, Fairfield, CA 94533
 160.010/59/1 4.17' x 3.0' (8" x 8" body section), FRP shell with unicellular plastic foam core, 7-person capacity.
 160.010/60/1 6.17' x 3.67' (9" x 9" body section), FRP shell with unicellular plastic foam core 13-person capacity.
- Tregoeing Industries, Inc., P.O. Box 151, Alderwood Manor, WA 98036
 160.010/11/0 6' x 4.10' 1.54', spruce with copper tanks, 20-person capacity.
 160.010/12/0 6' x 4' x .58', plywood, Type B, 20-person capacity.
- Welin Boat and Davit Div., Lake Shore, Inc., Iron Mountain, MI 49801
 160.010/9/0 Dwg. 1778, 15 persons capacity (spruce with copper tanks).
 160.010/10/0 5.92' x 4.08' x .83', spruce with copper air tanks, 20-person capacity.
 160.010/13/2 5.17' x 2.67' (7" dia. body section), elliptical shape, hollow aluminum, 5-person capacity.
 160.010/14/1 10' x 5' (11" dia. body section), elliptical shape, hollow aluminum, 24-person capacity.
 160.010/37/0 6.0' x 2.83' (8 1/2" x 8 1/2" body section) Aluminum shell with unicellular plastic foam core, 10-person capacity.
 160.010/38/0 7.5' x 4.0' (10 1/2" x 10 1/2" body section) Aluminum shell with unicellular plastic foam core, 20-person capacity.
 160.010/39/0 9.0' x 5.0' (10 1/2" x 10 1/2" body section) Aluminum shell with unicellular plastic foam core, 26-person capacity.
 160.010/56/0 9.75' x 6.25' (10 1/2" x 10 1/2" body section) Aluminum shell with unicellular plastic foam core, 30-person capacity.

160.011 GAS MASKS AND SELF-CONTAINED BREATHING APPARATUS

"BM" refers to Bureau of Mines approval numbers.

- Acme Protection Equipment Co., 307 West Lake St., Chicago, IL 60612
 160.011/8/0 Fresh Air Hose Mask, BM 1910.
- American-La France Corp., Elmira, NY 14900
 160.011/5/0 Fresh Air Hose Mask, BM 1905A.
 160.011/13/0 Protexall Gas Mask, BM 1434.
 160.011/14/0 Ammonia Gas Mask, BM 1401.
- Bendix Corp., 12345 Storkey Rd., Largo, FL 33543
 160.011/58/0 Bendix "Air 30" and "Air 30 L.W." self-contained one-half hour.
- Biomarine Industries Inc. (formerly Rexnord Inc.), 45 Great Valley Parkway, Malvern, PA 19355-9990
 160.011/49/0 Bio Pak 45 minute self-contained oxygen breathing apparatus.
 160.011/51/0 Bio Pak 60 minute self-contained oxygen breathing apparatus.
 160.011/52/0 Bio Pak 30 minute self-contained oxygen breathing apparatus.
- Cairns & Brother Inc, 950 Ridge Road Unit B-14, Claymont, DE 19703
 160.011/100/0 Model 3100003-01, through-16, 30 minute, pressure-demand, self-contained, compressed air breathing apparatus (2216 psig).

EQUIPMENT LISTS

160.011/101/0 Model 3100004, -01 through -03, -06 through -08, -11 through 13, and -16 through -18, 30 minute, pressure-demand, compressed air SCBA (4500 psig).

160.011/102/0 Model 3100004, -04, -09, -14, and -19, 45 minute, pressure-demand compressed air, self-contained breathing apparatus (4500 psig).

160.011/103/0 Model 3100004, -05, -10, -15 and 20, 60 minute, pressure-demand, compressed air, self-contained breathing apparatus (4500 psig).

E. D. Bullard Co., 2680 Bridgway, Sausalito, CA 94965

160.011/6/1 Supplied Fresh Air Hose Mask, BM 1903.

160.011/10/1 Type 42CM-3 Ammonia Gas Mask, BM 1425.

160.011/20/1 Type 31-MG, Multi-Gas, Universal Gas Mask, BM 1432.

160.011/21/1 Type 31-SE, Smoke-Eater Universal Gas Mask, BM 1433.

Globe Safety Equipment, Inc., 125 Sunrise Place, P.O. Box 7248, Dayton, OH 45407

160.011/30/0 One-half hour self-contained compressed air breathing apparatus.

International Safety Instruments, 480 Perry St., P.O. Box 846, Lawrenceville, GA 30246-0846

160.011/59/0 ISI "Ranger" one-half hour, self-contained, pressure-demand breathing apparatus.

160.011/82/0 "Ranger II" one-half hour, self-contained, pressure demand breathing apparatus.

160.011/83/0 "Ranger II" one-half hour, self-contained, pressure demand breathing apparatus.

160.011/84/0 "Ranger II" one hour, self-contained, pressure demand breathing apparatus.

160.011/92/0 ISI "Magnum", 60 minute, self-contained, pressure-demand breathing apparatus.

160.011/93/0 ISI "Magnum", 45 minute, self-contained, pressure-demand breathing apparatus.

160.011/94/0 ISI "Magnum", 30 minute, self-contained, pressure-demand breathing apparatus.

160.011/95/0 ISI "Magnum", 30 minute, self-contained, pressure-demand breathing apparatus.

160.011/96/0 ISI "Magnum", 30 minute, self-contained, pressure-demand breathing apparatus.

160.011/97/0 Model 707.150.00 ISI "Magnum", 30 minute, self-contained, pressure-demand breathing apparatus.

160.011/98/0 Model 707.150.01 ISI "Magnum", 30 minute, self-contained, pressure-demand breathing apparatus.

160.011/99/0 Model 707.150.02 ISI "Magnum", 30 minute, self-contained, pressure-demand breathing apparatus.

Interspiro Inc., 11 Business Park Drive, Branford, CT 06405

160.011/67/1 Model "Spiromatic 4515" self-contained, one-half hour pressure-demand breathing apparatus,

NIOSH/MSHA Approval No. TC-13F-132.

160.011/68/1 Model "Spiromatic 4530" self-contained, one-half hour pressure-demand breathing apparatus,

NIOSH/MSHA Approval No. TC-13F-133.

160.011/104/0 Model "Spiromatic 6630" self-contained, 45 minute, pressure-demand breathing apparatus,

NIOSH/MSHA Approval No. TC-13F-213.

160.011/105/0 Model "Spiromatic 9030" self-contained, 60 minute, pressure-demand breathing apparatus,

NIOSH/MSHA Approval No. TC-13F-197.

Mine Safety Appliances Co., PO Box 428, Pittsburgh, PA 25230

160.011/1/3 MSA one-man combination Hose Mask, supplied-air respirator.

160.011/2/3 MSA two-man combination Hose Mask, with displacement blower.

160.011/4/0 Oxygen Breathing Apparatus, 1-Hour.

160.011/12/2 Ammonia Mask, BM 1406.

160.011/15/3 Model "S", All-Service Gas Mask, BM 1434-A.

160.011/17/0 MCAA Two-Hour Oxygen Breathing Apparatus, BM 1303.

160.011/18/2 Standard All-Service Gas Mask, BM 1405.

160.011/19/4 Chemox 45-minute oxygen breathing apparatus, BM 1307 2.

160.011/28/1 M-S-A-O 2 Mask, oxygen breathing apparatus, one-half hour (extra cylinder must be included),

BM 1309 1.

160.011/29/1 M-S-A-O 2 Mask, oxygen breathing apparatus, one-half hour (extra cylinder must be included),

BM 1310 1.

160.011/31/0 MSA Chemox one-half hour oxygen-generating breathing apparatus, BM 1307.

160.011/33/0 MSA Chemox one-half hour oxygen-generating breathing apparatus, BM 1307.

160.011/34/0 M-S-A Model SW, demand type gas mask, BM 14F-66A.

160.011/35/0 M-S-A Oxygen Mask, oxygen breathing apparatus, one-half hour (extra cylinder must be

included), BM 1309.

FORMERLY APPROVED LIFESAVING EQUIPMENT

- 160.011/36/0 M-S-A Air Mask, compressed air breathing apparatus, one-half hour (extra cylinder must be included), BM 1310.
- 160.011/38/0 MSA Ammonia Mask, BM 14F-58.
- 160.011/41/0 MSA oxygen mask, demand type oxygen breathing apparatus, one-half hour (extra cylinder must be included), BM 13E-09.
- 160.011/42/1 MSA Air Mask demand type compressed air breathing apparatus, one-half hour (extra cylinder must be included), BM 13F-10.
- 160.011/45/0 M-S-A Air Mask, pressure demand type.
- 160.011/46/0 M-S-A Oxygen Mask pressure demand type compressed oxygen breathing apparatus (extra cylinder must be included), BM 13E-09.
- 160.011/47/0 Ammonia Gas Mask, BM 14E-58.
- 160.011/48/0 Gas Mask, BM 14E-66A.
- 160.011/53/0 30 minute self-contained breathing apparatus.
- 160.011/72/0 Ultralite Air Mask 30 minute, pressure-demand, self-contained breathing apparatus.
- 160.011/73/0 Custom 4500 Air Mask 30 minute, pressure-demand, self-contained breathing apparatus.
- 160.011/74/0 Custom 4500 Air Mask 60 minute, pressure-demand, self-contained breathing apparatus.
- 160.011/75/0 Custom 4500 Dual Purpose Air Mask 60 minute pressure-demand, self-contained breathing apparatus.
- 160.011/76/0 Custom 4500 Dual Purpose Air Mask 30 minute pressure-demand, self-contained breathing apparatus.
- 160.011/77/0 Dual Purpose Ultralite Air Mask 30 minute, pressure-demand, self-contained breathing apparatus.
- National Draeger, Inc., 101 Technology Drive, P.O. Box 120, Pittsburgh, PA 15230
- 160.011/64/0 Model PA-80/22 30 minute L. P. pressure-demand self-contained breathing apparatus, NIOSH/MSHA Approval No. TC-13F-103.
- 160.011/65/0 Model PA-80/45 30 minute H. P. pressure-demand self-contained breathing apparatus, NIOSH/MSHA Approval No. TC-13F-100.
- 160.011/66/0 Model PA-80/60 60 minute H. P. pressure-demand self-contained breathing apparatus, NIOSH/MSHA Approval No. TC-13F-110.
- 160.011/78/0 Model PA-80-FS-2216, self-contained one-half hour, pressure-demand breathing apparatus, NIOSH/MSHA Approval No. TC-13F-164.
- 160.011/79/0 Model PA-80-FS-4500, self-contained one-half hour, pressure-demand breathing apparatus, NIOSH/MSHA Approval No. TC-13F-174.
- 160.011/80/0 Model PA-80-FS-4500, self-contained, 45 minute, pressure-demand breathing apparatus, NIOSH/MSHA Approval No. TC-13F-175.
- 160.011/81/0 Model PA-80-FS-4500, self-contained, one hour, pressure-demand breathing apparatus, NIOSH/MSHA Approval No. TC-13F-177.
- North Safety Equipment, Div. of Siebe North, Inc., 2000 Plainfield Pike, Cranston, RI 02920
- 160.011/69/0 Self-contained, 60 minute, pressure-demand type breathing apparatus.
- 160.011/70/0 self-contained, 30 minute, pressure-demand type breathing apparatus.
- 160.011/71/0 self-contained, 30 minute, pressure-demand type breathing apparatus.
- Racal Health And Safety Inc. (formerly Globe Safety Equipment, Inc.), 7305 Executive Way, Frederick, MD 21701-8368
- 160.011/30/0 One-half hour self-contained compressed air breathing apparatus.
- 160.011/57/0 "Guardman" 30 minute self-contained breathing apparatus.
- 160.011/85/0 "Guardman" 30 minute, pressure-demand, self-contained breathing apparatus.
- 160.011/106/0 Racal "SCBAG" 30 minute, pressure-demand, self-contained breathing apparatus.
- 160.011/107/0 Racal "2000" 30 minute, pressure-demand, self-contained breathing apparatus.
- Scott Aviation, A Figgie International Co., 225 Eric St., Lancaster, NY 14086
- 160.011/3/1 Fresh Air Hose Mask Type BLS, BM 1906.
- 160.011/7/1 Ammonia Gas Mask, BM 14F-55.
- 160.011/9/1 Fresh Air Hose Mask, BLS, BM 1904.
- 160.011/11/1 Ammonia Gas Mask No. BM 1452.
- 160.011/16/0 P/N 601112-80, Acme Type FD all purpose, BM 1436.
- 160.011/25/1 Davis Type N. Gas Mask BM 1448A.

EQUIPMENT LISTS

- 160.011/27/2 Model 6000-A2MS compressed air breathing apparatus, one half hour (extra cylinder must be included), BM 130-081.
- 160.011/37/2 Scott Demand Air-Pak 11a, self-contained one half hour compressed air breathing apparatus.
- 160.011/39/1 Scott Demand Air-Pak 11a, self-contained one half hour compressed air breathing apparatus.
- 160.011/43/0 Scott/Draeger BG-174, self-contained two-hour compressed oxygen breathing apparatus, BM 13D-16.
- 160.011/44/0 Scott/Draeger BG-174, self-contained two-hour compressed oxygen breathing apparatus, BM 13D-16.
- 160.011/50/1 Scott Rescue Pak P/N 900050 "closed circuit" self-contained 4 hr compressed oxygen breathing apparatus.
- 160.011/54/0 Scott Air Pak 2.2 and Presur-Pak 2.2 30 minute self-contained breathing apparatus.
- 160.011/55/0 Scott Air Pak 4.5 and Presur-Pak 4.5 30 minute self-contained breathing apparatus.
- 160.011/56/0 Scott Air Pak 4.5 and Presur-Pak 4.5 one hour self-contained breathing apparatus.

Survivair, 3001 South Susan Street, Santa Ana, CA 92704

- 160.011/32/0 SurvivAir No. 9030-00 one-half hour compressed air breathing apparatus (extra cylinder must be included), BM 13D-12.
- 160.011/40/2 30 minute self-contained demand or pressure demand breathing apparatus.
- 160.011/60/0 30 minute, self-contained, demand or pressure demand, breathing apparatus.
- 160.011/61/0 30 minute, self-contained, demand or pressure demand, breathing apparatus.
- 160.011/62/0 60 minute, self-contained, pressure demand, breathing apparatus.
- 160.011/63/0 High pressure, 30 minute, self-contained, pressure demand, breathing apparatus.
- 160.011/86/0 Mark 2, Model 9840, positive pressure, 30 minute, compressed air, self-contained breathing apparatus.
- 160.011/87/0 Mark 2, Model 9870, positive pressure, 60 minute, compressed air, self-contained breathing apparatus. At least one extra, fully charged cylinder of breathing air is to be included as part of the completed unit.
- 160.011/88/0 Mark 2, Model 9842, positive pressure, 30 minute, compressed air, self-contained breathing apparatus.

Willson Products Div., Ray-O-Vac Co., Reading, PA

- 160.011/22/1 Type WUG-N1W universal gas mask, BM 1443A.
- 160.011/23/1 Type WUG-N2W universal gas mask, BM 1445A.
- 160.011/24/1 Type WIG-G4 Ammonia Gas Mask, BM 1425.
- 160.011/26/0 Type WIG-G4 Ammonia Gas Mask, BM 1454.

160.013 HATCHETS (LIFEBOAT AND LIFERAFT)

Bridgeport Hardware Manufacturing, Bridgeport, CT 06605

- 160.013/3/2 Bridgeport Belt Axe No. 425-C.

Collins Co., Collinsville, CT 06022

- 160.013/1/0 No. 0 size, Hunters ax.

Mann Edge Tool Co., Lewistown, PA 17044

- 160.013/2/2 No. 0 size, True American.

Revere Survival Products, Inc., 603-607 West 29th Street, New York, NY 10001

- 160.013/4/0 Hatchet, steel handle, type 1, class 1, design E, style 2.

160.014 COMPASSES, LIFEBOAT

E. A. Eriksen, Inc., 59 East St. Marks Place, Valley Stream, NY 11580

- 160.014/3/0 Model 1.
- 160.014/4/0 Model 2.
- 160.014/5/0 Model 1A.
- 160.014/6/0 Model 2A.

Kenyon Instrument Co., Brewster, NY 10509

- 160.014/7/0 Model 34-1000.

W. M. Welch Manufacturing Co., 1515 Sedgewick St., Chicago, IL 60610

- 160.014/2/0 Model 2.

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.015 WINCHES, LIFEBOAT

C. C. Galbraith & Son, Inc., P.O. Box 185, Keyport, NJ 07735

160.015/1/0 Type G, Size No. 1 (4,300 pounds per fall).

160.015/55/1 Type HM, size 3 (2,850 pounds per fall) (for mechanical davits only using not more than 4 wraps of 1/2" dia. wire rope).

160.015/58/1 Type GW (5,500 pounds per fall).

160.015/60/0 Type MP-31 (2,000 pounds per fall) (for mechanical davits only using not more than 2 wraps of 7/16" diameter wire rope).

160.015/65/0 Type GW, size 40 (3,000 pounds per fall).

160.015/71/0 Type PM, size 3 (2,850 pounds per fall) (for mechanical davits only using not more than 4 wraps of 1/2" dia. wire rope).

160.015/77/0 Type HMG, size 4 (1,800 pounds per fall) (for mechanical davits only using 4 wraps of 3/8" diameter wire rope).

Carroll Engineering Co., 313 State Street, Perth Amboy, NJ 08862

160.015/89/0 Type W-70-P (3,500 lb per fall).

160.015/90/0 Type CW-14 (6,250 lb per fall).

160.015/92/0 Type CW-75 (3,750 lb per fall).

160.015/96/0 Type CW-75-M (3,750 lb per fall).

Frank Morrison & Son Co., 1330 West 11th Street, Cleveland, OH 44113

160.015/13/0 Type DM (1,920 pounds per fall) (for mechanical davits only).

Harding Safety A/S, N-5470 Rosendal, Norway

160.015/145/0 Type SWE-48-120 single-fall (23,100 lb).

160.015/148/0 Type SWE-14-180 D rescue boat, single-fall (8,820 lb).

Lake Shore, Inc., Marine Division, Iron Mountain, MI 49801

160.015/99/3 Carroll Type CW-75-M (3,750 lb per fall).

160.015/102/2 Models LS-111D and LS-111E (11,000 lb per single fall).

160.015/106/1 Model LS-555-DS, (5,500 pounds on a single fall).

160.015/107/0 Model LS-111DS, (11,000 pounds on a single fall).

160.015/111/1 Models LS-1711 E (18,000 lb per single fall).

160.015/112/0 Models LS-111F (11,000 lb per single fall).

160.015/119/0 Models LS-1818 (18,000 lb per single fall).

Landley Co., Inc., 15 Park Row, New York, NY 10007

160.015/2/0 Type GH-6 (2,370 lb per fall) for mechanical davits only.

160.015/3/0 Type BSH-10 (8,000 lb per fall).

160.015/4/0 Type WH-10 (2,200 pounds per fall) (for mechanical davits only).

160.015/5/0 Type WH-5 (3,000 pounds per fall) (for mechanical davits only).

160.015/37/0 Type WH-15 (6,250 pounds per fall).

160.015/46/0 Type WH-10, Size 6 (3,000 pounds per fall) (for mechanical davits only).

Lane Marine Technology, Inc., 150 Sullivan St., Brooklyn, NY 11231

160.015/6/0 Type S. E. W. -19-Q.R. (3,170 pounds per fall).

160.015/7/0 Type S. E. W. -10 (1,667 pounds per fall) (for mechanical davits only).

160.015/8/0 Type S. E. W. -19 (4,000 pounds per fall).

160.015/9/0 Type S. E. W. -27 (6,750 pounds per fall).

160.015/10/0 Type H. W. -10.5 (1,750 pounds per fall) (for mechanical davits only).

160.015/70/1 Type H-68 RA (3,400 pounds per fall).

160.015/85/1 Type B-75 (3,750 pounds per fall).

160.015/97/1 Type 750-C4-EG (5,500 pounds per fall).

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EQUIPMENT LISTS

Modern Boat & Engineering Co., 30 North LaSalle St., Chicago, IL 60603

160.015/11/0 Type W. H. 3402 (8,800 pounds per fall).

160.015/12/0 Type W. H. 3407 (3,500 pounds per fall).

New England Trawler Equipment Co., Eastern Ave., Chelsea, MA 02150

160.015/14/0 Type "New England" (2,500 pounds per fall) (for mechanical davits only).

Northern Line Machine & Engineering Co., 1840 Marine View Drive, Tacoma, WA 98422

160.015/141/0 Type NL 24 UP (Hercules) (5,320 lb per fall).

Ocean Science & Engineering, Inc., 1601 Water Street, Long Beach, CA 90802

160.015/100/1 Model 2040 (11,000 pounds on a single-part fall).

Schat-Marine Safety Corporation, P.O. Box 465, Foot of Industrial Road, Farmingdale, NJ 07727

160.015/44/2 Type H (3,300 pounds per fall) (for mechanical davits only using not more than 7 wraps of 1/2" diameter wire rope).

160.015/45/2 Type CL-17.5.55 (8,750 pounds per fall).

160.015/50/2 Type HM (3,300 lb per fall).

160.015/56/0 Type CL-17.5A (5,750 pounds per fall). Approved for use on S.S. CONSTITUTION and S.S.

INDEPENDENCE only.

160.015/67/1 Type HPH (3,150 pounds per fall for use with Type SPD-24 mechanical davit only using 2 wraps of 1/2" diameter wire rope).

160.015/69/1 Type HPM (3,150 pounds per fall for use with Type SPD-24 mechanical davit only using 2 wraps of 1/2" diameter wire rope).

160.015/75/0 Type 31 H (3,100 lb per fall).

160.015/76/0 Type 31 M (3,100 lb per fall).

160.015/78/0 Type CL-17.5B (5,125 lb per fall).

160.015/79/2 Type R55-G (5,560 pounds per fall).

160.015/87/1 Type 35-G (3,750 pounds per fall).

160.015/91/1 Type GPD-63 (3,150 lb per fall). Approval is limited for use with Type GPD-63 gravity pivot davit (Approval 160.032/176/1).

160.015/93/2 Type 35G-MK II (3,750 lb per fall).

160.015/105/0 Type M-13 single-fall (1,300 lb).

160.015/109/0 Type 33-M (3,300 lb per fall).

160.015/113/1 Type 40G, Models A and B (4,000 lb per fall).

160.015/129/0 Type 75G-S (7,000 lb per fall).

Schat-Watercraft, Inc., 167 Bell Avenue, P.O. Box 1050, Oak Hill, FL 32759

160.015/108/0 Type BE 7.3 winch (8,025 lb per fall).

160.015/115/0 Type BE 6.0 lifeboat winch: maximum working load 13,440 lb pull at the drums (6,720 lb per fall).

160.015/116/0 Type BE 6.0-MK II (6,720 lb per fall).

160.015/117/0 Type 7.9 (8,840 lb per fall).

160.015/126/0 Type USW/ 9.3 (10,416 lb per fall).

160.015/128/1 Type USW/ 5.52 (6,183 lb per fall).

160.015/132/0 Type BE 7.9 (8,848 lb per fall).

160.015/133/0 Type BE 6.0 (6,720 lb per fall).

160.015/134/0 Type USW/ 10.0 (11,200 lb per fall).

160.015/135/0 Type USW/ 7.92 (8,870 lb per fall).

160.015/136/0 Type USW 7.4 D (8,288 lb per fall).

160.015/138/0 Type USW/ 7.92 (8,870 lb per fall).

160.015/139/0 Type USW/ 3.0; single-fall drum (6,720 lb at the drum).

160.015/147/0 Type BE 4.0 single-fall; maximum working load 6,950 lb at the drums.

160.015/154/0 Type BE 6.0-MK II (6,050 lb per fall).

FORMERLY APPROVED LIFESAVING EQUIPMENT

- 160.015/162/0 Type BE 7800 lifeboat winch, maximum load 7,800 kg pull at the drums (3,900 kg per fall).
 160.015/164/0 Type BE 11.5 lifeboat winch, maximum load 25,760 lb pull at the drums (12,800 lb per fall).

Speco Division, Kelsey-Hayes Co., Springfield, OH 45501
 160.015/98/1 Type WCL-5875 (11,000 pounds on a single fall).

Survival Systems International, 34140 Valley Center Road, P.O. Box 1855, Valley Center, CA 92082
 160.015/95/2 Hydraulic Launching system (10,500 lb on a single-part fall).
 160.015/125/0 Model W5001 survival capsule winch; single-fall (20,000 lb)

Vestdavit A/S, C. Sundtsgt. 37, , N-5004 Bergen, , Norway
 160.015/178/0 Vestvinsj C-194-1 hydraulic rescue boat winch; approved for a maximum working load of 1500 kg on a single-part fall. Approval applies only to single installation on R/V NATHANIEL B. PALMER.

Wellin Boat and Davit Division, Lake Shore, Inc., Iron Mountain, MI 49801
 160.015/15/1 Type H68 (was Type HC) (3,400 lb per fall) (for mechanical davits only using not more than 7 wraps of 1/2" dia. wire rope).
 160.015/16/0 Type H68N (formerly Type HC-N) (3,400 pounds per fall) (for use with mechanical davits only).
 160.015/17/0 Type H68S (formerly Type HSX) (3,400 pounds per fall) (for use with mechanical davits only).
 160.015/18/0 Type H68N (formerly Type HSN) (3,400 pounds per fall) (for use with mechanical davits only).
 160.015/19/0 Type H68N (formerly Type HSN) (3,400 pounds per fall) (for use with mechanical davits only).
 160.015/20/0 Type C70 (formerly Type CWB Single Drum) (3,485 pounds per fall) (for use with mechanical davits only).
 160.015/21/0 Type C70N (formerly Type CWB-N) (3,485 pounds per fall) (for use with mechanical davits only).
 160.015/22/0 Type B110 (formerly Type CWB Double Drum) (5,500 pounds per fall).
 160.015/23/2 Type B135 (formerly Type CWB-6) (6,750 pounds per fall).
 160.015/24/0 Type B135N (formerly Type CWB-6N) (6,750 pounds per fall).
 160.015/25/0 Type V65 (formerly Type CV) (3,250 pounds per fall).
 160.015/26/2 Type B172 (9,000 pounds per fall).
 160.015/27/2 Type B172N (9,000 pounds per fall).
 160.015/28/1 Type B-200 (10,000 pounds per fall).
 160.015/29/0 Type B172H (formerly Type BWB Horizontal) (8,600 pounds per fall).
 160.015/30/0 Type A150 (formerly Type A) (7,500 pounds per fall).
 160.015/31/0 Type A200 (formerly Type AH) (10,000 pounds per fall).
 160.015/32/0 Type A150H (formerly Type AHS Horizontal) (7,500 pounds per fall).
 160.015/33/0 Type A150V (formerly Type AHS Vertical) (7,500 pounds per fall).
 160.015/43/0 Type H40 (formerly Type HWA) (2,000 pounds per fall).
 160.015/48/0 Type A150S (7,500 pounds per fall).
 160.015/52/0 Type B-152 (5,500 pounds per fall).
 160.015/53/1 Type C-70A (3,500 lb per fall) (for mechanical davits only per fall using not more than 4 wraps of 9/16" dia. wire rope).
 160.015/54/0 Type A-150AH (7,500 pounds per fall).
 160.015/57/0 Type H21G (1,050 pounds per fall).
 160.015/59/0 Type A-190A (9,500 pounds per fall).
 160.015/61/0 Type A-54A (2,700 pounds per fall).
 160.015/62/1 Type B-135M (6,750 pounds per fall).
 160.015/66/0 Type B-135-M-N (6,750 pounds per fall).
 160.015/68/0 Type H-68R (3,400 pounds per fall) (for mechanical davits only using not more than 7 wraps of 1/2" diameter wire rope).

EQUIPMENT LISTS

160.015/72/1 Type B-135-H (6,750 pounds per fall).
 160.015/73/1 Type H-55A (2,750 pounds per fall) (for use with Type G-55P gravity pivot davit).
 160.015/74/0 Type B-135-HE (4,500 pounds per fall).
 160.015/80/0 Type B135-B (6,750 pounds per fall).
 160.015/81/0 Type B135-B-M (6,750 pounds per fall).
 160.015/82/0 Type P-62-S ((3,125 pounds per fall) (for use with Type G-62-P davit).
 160.015/83/0 Type H-68-RA-M, aluminum (3,400 pounds per fall).
 160.015/86/0 Type CGB0135 MV (6,750 pounds per fall).
 160.015/88/0 Type CGB0135 MV (6,750 pounds per fall).

Welin-MacLaughlin Davits, Ltd., London, United Kingdom
 160.015/84/0 Type G.S. 8 lifeboat winch.

160.016 LAMPS, FLAME SAFETY

American Safety Lamp & Mine Supply, Scranton, PA 18500
 160.016/1/0 American Type 1-B.

Mine Safety Appliances Co., 3880 Meadowbrook Rd., Murrysville, PA 15668
 160.016/3/1 Wolf Type.

160.017 CHAIN LADDERS

A. L. Don Company, Foot of Dock Street, Matawan, NJ 07747
 160.017/47/0 Type I Embarkation-debarkation ladder, rope suspension.
 160.017/51/0 Pilot Ladder meeting SOLAS 1974, Chapter V, Regulation 17.

Allain Marine Sales Co., 2122 Kentucky St., New Orleans, LA 70117
 160.017/17/2 Fig. 017-S.C., chain suspension, steel ears.
 160.017/18/2 Fig. 017-A.C., chain suspension, aluminum ears.

American Chain Ladder Co., Inc., 151 East 50th St., New York, NY 10022
 160.017/3/0 Embarkation-debarkation ladder, Model 141, chain suspension. Dwg. No. 141, dated 21 July 1943.

American President Lines Ltd., Attn: Marine Operations, 1800 Harrison St., Oakland, CA 94612
 160.017/42/0 Type I Embarkation-debarkation ladder, rope suspension.

Apollo Marine Specialties, 4227 Royal St., New Orleans, LA 70117
 160.017/54/0 Pilot ladder meeting SOLAS 1974, Chapter V, Regulation 17.

Coast Marine & Industrial Supply, 398 Jefferson St., San Francisco, CA 94133
 160.017/48/1 Type I Embarkation-debarkation ladder, rope suspension.
 160.017/50/0 Type I Embarkation-debarkation ladder, rope suspension.
 160.017/52/1 Type I, rope suspension, one piece wooden steps with "Comar Wedge".
 160.017/53/0 Type I, dacron-jacketed rope suspension, RIM steps with "Comar Wedge".

Coston Supply Co., 44 Hudson St., New York, NY 10012
 160.017/4/8 Model 241-A Type II embarkation-debarkation ladder.
 160.017/10/3 Model 241-A/GR, Type II, embarkation-debarkation ladder.
 160.017/31/2 Model 241A/61-79, Type II, embarkation-debarkation ladder.

Don D. Fleming Co., Inc., 460 Bay St., San Francisco, CA 94133
 160.017/27/2 Model E-1004D, Type II, chain suspension, galvanized steel ears.
 160.017/28/0 Model P-1006-A, Type I, Embarkation-debarkation ladder, rope suspension.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Great Bend Manufacturing Corp., Geo. Washington Bridge Pl., Fort Lee, NJ 07024

160.017/5/2 Type 241B, chain suspension, aluminum ears.

160.017/12/0 Model CTL-6WR, wire rope suspension, steel ears, steel rungs, approved for height of boat deck in excess of 55 feet.

H K Metacraft Manufacturing Corp., 35 Industrial Road, P.O. Box 275, Lodi, NJ 07644

160.017/1/1 Type 8 PL, chain suspension, wood ears.

160.017/6/0 Type 8 PL A, chain suspension, aluminum ears.

160.017/13/0 Type 8 PL-S, chain suspension, steel ears.

160.017/15/0 Type 10 PL-A, chain suspension, aluminum ears.

160.017/16/3 Model 10 PL-S, Type II, embarkation-debarkation ladder.

Kent Marine Products Co., 426 Great East Neck Rd., West Babylon, NY 11704

160.017/2/0 Chain suspension, wood ears.

Marine Ladder Manufacturing Co., P.O. Box 2192, San Francisco, CA 94126

160.017/9/0 Master, Model 100, wire rope suspension, steel ears.

160.017/21/0 Master Safety Model E-1004, chain suspension, steel ears.

160.017/23/0 Model E-1004D, chain suspension, steel ears.

Maryatt Lane & Co., 234 Godwin Ave., Paterson, NJ 07501

160.017/11/2 Model CTL-6, Type II, chain suspension, steel ears, steel rungs, for boat deck height over 55 ft. App. limited to 67 ft.

Rafigo Hendry Manufacturing Co., 12-A Pamaron Way, Novato, CA 94947

160.017/46/1 Sea Jay Type I Embarkation-debarkation ladder, rope suspension.

Robertson & Schwartz, Inc., 480 Potrero Ave., San Francisco, CA 94110

160.017/33/1 Model No. E-1004D, chain ladder, chain suspension steel ears.

160.017/34/1 Model P-1006-A Type I Embarkation-debarkation ladder, rope suspension.

160.017/41/0 Master Safety Ladder Model 1005A, Type II embarkation-debarkation ladder.

Sidewinder International Ltd., 4902 Lord Bryan Rd., Wilmington, NC 28405

160.017/56/0 Embarkation-Debarkation Ladder equivalent to chain ladder.

Southern Industrial Supply Co., 1620 Rodgers St., P.O. Box 1566, Savannah, GA 31402

160.017/55/0 SOLAS Type 2.

Viking Marine Co., 2614 Western Ave., Seattle, WA 98101

160.017/7/0 Viking Type B-2, wire rope suspension, wood ears.

160.017/8/0 Viking Type B-3, wire rope suspension, wood ears.

160.017/24/1 Model A-1, Type II chain suspension, wood ears.

160.018 LIFE RAFTS (RIGID)

C. C. Galbraith & Son, Inc., P.O. Box 185, Keyport, NJ 07735

160.018/1/0 9.67' x 8.67' x 3.42', 18-person.

160.018/2/0 11.92' x 8.67' x 3.42', 20-person.

160.018/8/0 9.67' x 8.67' x 3.42', 15-person.

Frank Morrison & Son Co., 1330 West 11th Street, Cleveland, OH 44113

160.018/4/0 11.04' x 8.58' x 3.17', 18-person.

160.018/5/1 Type B, 10.5' x 7.83' x 3.0', 15-person.

George W. Kneass Co., 18th & Illinois Streets, San Francisco, CA 94107

160.018/3/0 10.63' x 7.54' x 3.31', 17-person.

W-30

EQUIPMENT LISTS

Lane Marine Technology, Inc., 150 Sullivan St., Brooklyn, NY 11231
160.018/6/0 9.46' x 8.69' x 3.54', 18-person.
160.018/7/0 10.04' x 8.23' x 3.87', 18-person.

Schat-Marine Safety Corp., P.O. Box 465, Farmingdale, NJ 07727
160.018/13/2 Type B, 9.67' x 8.38' x 2.92', 18-person capacity.
160.018/16/0 Type B, 9.58' x 8.0' x 2.33', 18-person capacity.

Welin Boat and Davit Div., Lake Shore, Inc., Iron Mountain, MI 49801
160.018/10/0 Type B, 12.25' x 7.5' x 3.17', 15-person.
160.018/17/0 Type B, 12.33' x 7.75' x 3.65', 25-person.
160.018/18/0 Type B, 10.0' x 7.75' x 3.65', 18-person.

160.019 SEA ANCHORS, LIFEBOAT

A. L. Robertson Inc., 325 South Kresson Street, Baltimore, MD 21224
160.019/8/0 Type I.

American Pad and Textile Co., Greenfield, OH 45123
160.019/4/0 Type Seaway.

Atlantic Pacific Manufacturing Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104
160.019/1/1 Type A Sea Anchor.

Bogardus Brothers, 20 Mechanic St., New Rochelle, NY 10801
160.019/3/0 Type BB 1.

Bowman-Durham-Roberts, Inc., 603 Bergen St., Brooklyn, NY 11217
160.019/2/0 Type 9.

Eveready Canvas Co., 270 Water Street, New York, NY 10038
160.019/6/0 Type 2-A.

Jacksonville Ship Chandlery, 270 Talleyrand Ave., Jacksonville, FL 32206
160.019/12/0 USCG dwg. MMI-562.

Kent Marine Products Co., 426 Great East Neck Rd., West Babylon, NY 11704
160.019/7/0 Type T.

McIlwaine Canvas Co., 247 West 6th St., San Pedro, CA 90731
160.019/9/0 Type B.

Neptune Specialties, Inc., 14 North Chatsworth Ave., Larchmont, NY 10538
160.019/5/0 Type N-1.

Revere Survival Products, Inc., 603-607 West 29th St., New York, NY 10001
160.019/18/0 Type RSP-1 Sea Anchor.

Samuel Fassman Co., 2776 Atlantic Ave., Brooklyn, NY 11207
160.019/11/0 Type JF.

Seattle Tent and Fabric Products, 900 North 137th Ave., Seattle, WA 98133
160.019/17/0 Rainer Model SA 36.

160.020 MIRRORS, EMERGENCY SIGNALLING

General Electric Co., Trumbull Lamp Works, 1315 West Market St., Warren, OH 44485
160.020/1/0 No. ESM/1.
160.020/3/0 Scotchlite Type, Size 20.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Liberty Mirror Division, Libbey-Owens-Ford Glass, Brackenridge, PA 15014
160.020/7/0 Model 35 Reflex Type 5" x 3".

Revere Glass Co., 583 Beach St., Revere, MA 02151
160.020/5/1 Model CG-2 Reflex Type 5" x 4".

160.021 SIGNALS, DISTRESS, HAND RED FLARE

Kilgore Corp., Bradford Road, Toone, TN 38381-0099
160.021/A18/0 Olin Hand Red Flare, 2 minute, 500 candela.
160.021/22/0 International hand held red flare distress signal, 500 candela, 2 minute burning time.
160.021/A25/0 High Output Hand Held Red Flare, 15,000 candela, 60 second burn time.
160.021/29/0 High Output Hand Held Red Flare, 15,000 candela, 60 second burn time.

Norabel AB, Box 93, S-427 00 Billdal, Sweden
160.021/23/0 Hand Held Red Flare, Model-Polar, 10,000 candela, 30 seconds.

Pains-Wesssex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom
160.021/19/0 Pains-Wesssex Pinpoint Red Mk. 6 Handflare, 15,000 candela, 50 second burning time.
160.021/20/0 Schemuly Pinpoint Red Mk. 6 Handflare, 15,000 candela, 50 second burning time.

160.022 SIGNALS, DISTRESS, FLOATING ORANGE SMOKE

Kilgore Corp., Bradford Road, Toone, TN 38381-0099
160.022/8/2 Model K-5A.
160.022/15/0 Model K3A 3-min.

160.023 SIGNALS, DISTRESS, HAND COMBINATION FLARE AND SMOKE

Kinross Manufacturing Corp., 344 Davis Court, Kincheloe, MI 49788
160.023/6/0 MK 13, Mod 0, marine smoke and illumination signal.

160.024 PISTOL-PROJECTED PARACHUTE RED FLARE DISTRESS SIGNALS

Kilgore Corp., Bradford Road, Toone, TN 38381-0099
160.024/2/3 Type 52, Aluminum Shell.

160.026 CONTAINERS, EMERGENCY PROVISIONS AND WATER

F & L Packing Corp., 681 Main St., Belleville, NJ 07109
160.026/37/1 Container for emergency provisions.
160.026/40/1 Container for emergency provisions.

JWD Marketing Ltd., 6676 Stoney Cr., Delta, British Columbia, Canada
160.026/53/0 Drinking water in 250 ml (8 1/2 fl. oz.) cans.

Koninklijke Verkeade N. V., Westzijde 103, 1506 Ga Zaandam, Netherlands
160.026/52/0 Verkeade emergency provision Green Pack.

Rubber Fabricators, Inc., P.O. Box 248, Apex, NC 27502
160.026/54/0 Emergency Drinking Water in sealed 12 oz. polycarbonate bottles sealed in a foil envelope.

Survivor Industries, Inc., 2551 Azarite Circle, Newbury Park, CA 91320
160.026/A45/0 Emergency Drinking Water for liferafts and lifeboats in foil laminate pouches, 4.225 ounce (125 ml) per pouch.

EQUIPMENT LISTS

160.027 LIFE FLOATS

Aleph Plastics, 2386 Wood Street, Columbus, OH 43221

160.027/81/0 111" x 64" x 12" life float, 25-person capacity, urethane core, fibrous glass reinforced plastic.

American Pad and Textile Co., Greenfield, OH 45123

160.027/16/1 15-person (Balsa).

160.027/18/0 7.0' x 3.17' (9" x 9" body section) Rectangular Solid Balsa Wood, 10-person capacity.

160.027/19/0 9.0' x 5.08' (12" x 12" body section) Rectangular Solid Balsa Wood, 25-person capacity.

160.027/21/0 7.5' x 4.0' (11" x 11" body section) Elliptical Solid Balsa Wood, 15-person capacity.

160.027/55/1 4.17' x 3.0' (8" x 8" body section), FRP shell with unicellular plastic foam core, 6-person capacity.

160.027/56/1 6.17' x 3.67' (9" x 9" body section), FRP shell with unicellular section, foam core, 11-person capacity.

Atlantic Pacific Manufacturing Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104

160.027/1/0 7.0' x 3.5' (10" x 10" body section), elliptical balsa wood, 10-person capacity.

160.027/2/0 8.5' x 4.0' (11" x 11" body section), Elliptical balsa wood, 15-person capacity.

160.027/3/0 10.0' x 5.5' (12" x 12" body section), elliptical balsa wood, 25-person capacity.

160.027/4/0 11.5' x 7.0' (14" x 14" body section), elliptical balsa wood, 40-person capacity.

160.027/5/1 7.0' x 3.17' (9" x 9" body section), Rectangular Balsa Wood, 10-person capacity.

160.027/6/1 7.5' x 4.0' (11" x 11" body section), Rectangular Balsa Wood, 15-person capacity.

160.027/7/1 9.0' x 5.08' (12" x 12" body section), Rectangular Balsa Wood, 25-person capacity.

160.027/8/1 10.67' x 6.17' (13" x 13" body section), Rectangular Balsa Wood, 40-person capacity.

160.027/9/1 12.0' x 7.58' (15" x 15" body section), Rectangular Balsa Wood, 60-person capacity.

160.027/60/3 5.0' x 2.67' (7 1/2" x 10" body section), peripheral body FRP shell with unicellular polyurethane core, 6-person capacity.

160.027/61/4 7.0' x 3.16' (9" x 11 1/4" body section), rectangular FRP shell with unicellular polyurethane core, 6 person capacity.

160.027/62/3 7.5' x 4.0' (10.5" x 10.0" body section), rectangular FRP shell with unicellular polyurethane core, 15 person capacity.

160.027/63/3 9.0' x 5.1' (12 1/2" body section), rectangular FRP shell with unicellular polyurethane core, 25 person capacity.

160.027/70/3 7.0' x 3.16' (9" x 11 1/4" body section), rectangular FRP shell with unicellular polyurethane core, 12 person capacity.

160.027/71/3 7.0' x 3.16' (9" x 11 1/4" body section), rectangular FRP shell with unicellular polyurethane core, 11 person capacity.

160.027/73/0 6.16' x 3.66' (6" x 9" body section), peripheral-body FRP shell with unicellular polyurethane core, 12 person capacity.

160.027/74/0 4.16' x 3.0' (8" x 8" body section), peripheral-body FRP shell with unicellular polyurethane core, 6 person capacity.

C. C. Galbraith & Son, Inc., P.O. Box 185, Keyport, NJ 07735

160.027/10/1 7.0' x 3.5' (10" x 10" body section), Elliptical Balsa Wood, 10-person capacity.

160.027/11/1 8.5' x 4.0' (11" x 11" body section), Elliptical Balsa Wood, 20-person capacity.

160.027/12/1 9.0' x 5.5' (12" x 12" body section), Elliptical Balsa Wood, 20-person capacity.

160.027/13/1 10.0' x 5.5' (12" x 12" body section), Elliptical Balsa Wood, 20-person capacity.

160.027/14/1 11.5' x 7.0' (14" x 14" body section), Elliptical Balsa Wood, 40-person capacity.

160.027/15/1 13.0' x 8.5' (16" x 16" body section), Elliptical Balsa Wood, 60-person capacity.

Plott Manufacturing Co., P.O. Drawer 9038, Station A, Greenville, SC 29604

160.027/67/2 4.17' x 3.0' (8" x 8 1/2" body sec.), FRP rectangular neoprene latex shell w/unicellular plastic foam core, 6-person cap.

160.027/68/2 6.17' x 3.67' (10" x 9 1/4" body sec.), FRP rectangular neoprene latex shell w/ unicellular plastic foam core, 12-pers cap.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Salerno, Inc., c/o Pan Air Corp., P.O. Box 26425, New Orleans, LA 70126
160.027/69/0 7.0 x 9.0 x 4 rectangular, laminated fabric-covered.

Schat-Marine Safety Corp., P.O. Box 465, Foot of Industrial Rd., Farmingdale, NJ 07727
160.027/48/2 6.17 x 4.7 (11" x 10 1/4" body section), 15-person capacity.
160.027/53/0 5.0 x 3.83 (9" x 9" body section), 10-person capacity.

Sunde & D'Evers Co., Coleman Ferry Terminal, Seattle, WA 98104
160.027/46/0 5.17 x 3.0 (8" x 8" body section), FRP shell with unicellular plastic foam core, 6-person.

Welin Boat and Davit Division, Lake Shore, Inc., Iron Mountain, MI 49801
160.027/27/0 9.0 x 5.08 (13" dia. body section) rectangular hollow aluminum, 25-person capacity.
160.027/34/0 9.0 x 5.08 (13" diameter body section) rectangular hollow aluminum, 25-person capacity.
160.027/36/0 7.67 x 4.17 (12" dia. body section) rectangular hollow aluminum, 15-person capacity.
160.027/39/1 6.0 x 2.83 (8 1/2" x 8 1/2" body section), aluminum shell with unicellular plastic foam core, 7-person capacity.
160.027/47/1 7.5 x 4.0 (10 1/2" x 10 1/2" body section), aluminum shell with unicellular plastic foam core, 15-person capacity.
160.027/49/1 9.0 x 5.0 (10 1/2" x 10 1/2" body section), aluminum shell with unicellular plastic foam core, 22-person capacity.
160.027/54/0 9.75 x 6.25 (10 1/2" x 10 1/2" body section), aluminum shell with unicellular plastic foam core, 25-person capacity.
160.027/57/0 9.75 x 6.25 (10" x 12" body section) FRP shell with unicellular polyurethane foam core, 25-person capacity.
160.027/58/0 12.0 x 7.58 (15 1/4" x 15" body section) FRP shell with unicellular plastic foam core, 60-person capacity.

Winner Manufacturing Co., Inc., Trenton, NJ 08601
160.027/22/0 7.0 x 3.17 (9" x 9" body section) rectangular balsa wood, 10-person.
160.027/23/0 7.5 x 4.0 (11" x 11" body section) rectangular balsa wood, 15-person.
160.027/24/0 9.0 x 5.08 (12" x 12" body section) rectangular balsa wood, 25-person.
160.027/25/0 10.67 x 6.17 (13" x 13" body section) rectangular balsa wood, 40-person.
160.027/26/0 12.0 x 7.58 (15" x 15" body section) rectangular balsa wood 60-person.

160.028 SIGNAL PISTOLS FOR PARACHUTE RED FLARE DISTRESS SIGNALS

Columbia Appliance Corp., 8 43rd Rd., Long Island City, NY 11101
160.028/4/0 No. 3.

Firearms Import & Export Corp., P.O. Box 4866, Hialeah Lakes, FL 33014
160.028/16/0 Mayday 25 mm Distress Signal Pistol.

Harrington & Richardson Arms Co., Worcester, MA 01600
160.028/5/0 Mark IV.

Kilgore Corp., Bradford Rd., Toone, TN 38381-0099
160.028/1/0 No. 52.
160.028/9/0 Model A.
160.028/10/2 Kilgore P52 MOD B Pistol for use with Kilgore 37 mm cartridge, approval number 160.024/2/4.
160.028/14/1 Kilgore Orion XII, 12 gauge signal pistols.
160.028/A20/0 Kilgore Six Shot Launcher with 6 shot magazine using Kilgore Six Shot cartridges, approval no. 160.066/A22/0.

Penguin Industries, Inc., Airport Industrial Mall, Coatsville, PA 19320
160.028/18/0 Penguin MOD PG flare launcher, for use with 12.6 mm flare.

EQUIPMENT LISTS

R. F. Sedgley, Inc., J & Ontario Sts., Philadelphia, PA 19134
160.028/2/0 Mark IV signal pistol.

Royal Ordnance Factory, Chorley, Lancashire PR7 6AD, United Kingdom
160.028/13/0 Dial-A-Star Mark I projector for Dial-A-Star cassette.

Signal Pyrotechnic Co., 4041 Whiteside St., Los Angeles, CA 90063
160.028/6/3 Signal Pistol.

Vaa Kanner, Ltd., 177 New Jersey Ave., Port Jervis, NY 12771
160.028/3/0 V-K, Mark 12.

160.031 LINE-THROWING APPLIANCES, SHOULDER GUN TYPE (AND EQUIPMENT)

Coston Supply Co., 44 Hudson St., New York, NY 10012
160.031/3/0 Coston.

Harrington & Richardson Arms Co., Worcester, MA 01600
160.031/1/0 Model 66.

Naval Company, Inc., 4747 Cold Spring Creamery Rd. RD #2, Doylestown, PA 18910
160.031/2/0 Bridger.
160.031/4/0 Bridger 45/70 Model N.
160.031/5/0 Bridger 45/70 Model X.

Safety-Liner Corp., 589 Wood Side Drive, Watertown, NY 13061
160.031/7/3 "Safety Liner" shoulder gun type line-throwing appliance.

160.032 DAVITS, LIFEBOAT

C. C. Galbraith & Son, Inc., P.O. Box 185, Keyport, NJ 07735
160.032/2/0 Gravity Davit, Size 2866 (8,600 lb per arm).
160.032/3/0 Steward Mechanical Davit, Size 2A-7-0 (8,350 lb per arm).
160.032/4/0 Steward Mechanical Davit, Size 2A-7-0 (8,350 lb per arm).
160.032/5/0 Steward Mechanical Davit, Size 5A-5-6 (4,090 lb per arm).
160.032/6/0 Steward Mechanical Davit, Size 3A-6-6 (6,000 lb per arm).
160.032/127/0 Straight Boom Sheath Screw Mechanical Davit, Size A-5-6 (2,500 lb per arm) using two part falls.
160.032/128/0 Straight Boom Sheath Screw Mechanical Davit, Size A-7-0-S (4,000 lb per arm) using two-part falls.
160.032/130/0 Gravity Davit, Type G. D. 30-72-7.6 (11,000 lb per arm) using two-part falls.
160.032/136/0 Straight Boom, Sheath Screw Mechanical Davit, Size B-7-0 (2,500 lb per arm) using four-part falls.
160.032/141/0 Gravity Davit, Type G. D. Size 40 (6,000 lb per arm) using two-part falls.
160.032/163/0 Straight Boom Sheath Screw Mechanical Davit, Type C-7-0 (6,500 lb per arm) using two-part falls only.

Carroll Engineering Co., 313 State St., Perth Amboy, NJ 08862
160.032/169/0 Type LG-13-2G (6,500 lb per arm).
160.032/170/1 Type 6500 (3,500 lb per arm).
160.032/172/0 Type LG-125 -1G (6,250 lb per arm).
160.032/175/0 Type CG-220-2G (11,000 lb per arm).
160.032/177/0 Type CG-150-2G (7,500 lb per arm).
160.032/182/0 Type CG-150-P (7,500 lb per arm).

FORMERLY APPROVED LIFESAVING EQUIPMENT

Consolidated Services, Inc., 71 Columbia St., Seattle, WA 98104

160.032/1/0 Straight Boom Sheath Screw Mechanical Davit, Size A-7-0 (6,800 lb per arm).

Gulf Shipbuilding Corp., P.O. Box 1365, Mobile, AL 36601

160.032/7/0 Sheath Screw Mechanical Davit (7,000 lb per arm).

Harding Safety A/S, N-5470 Rosendal, Norway

160.032/257/0 Type FFR 20,000A gravity davit; 44,000 lb. capacity on a single, two-part fall.

160.032/260/0 Type SOA-00-040 outrigger gravity davit; 8,820 lb. capacity on a single two-part fall

Lake Shore, Inc., Marine Division, Iron Mountain, MI 49801

160.032/150/4 Type B-47 mechanical straight boom davit with sheath screw approved for a maximum working load of 9,450 lb per set (4,725 lb per arm).

160.032/186/2 Carroll Type CG-150-P gravity davit, approved for a maximum working load of 15,000 lb per set (7,500 lb per arm) using 2-part falls.

160.032/254/0 Type G-195-S gravity davit, approved for a maximum working load of 40,000 lb per set (20,000 lb per arm) using two-part falls.

Landley Co., Inc., 15 Park Row, New York, NY 10007

160.032/8/0 Barclay Gravity Davit, Type A-1 (8,000 lb per arm).

160.032/9/0 Barclay Gravity Davit, Type A (7,000 lb per arm).

160.032/10/0 Crescent Boom Sheath Screw Mechanical Davit, Type 5-SS-6-0 (2,248 pounds per arm).

160.032/11/0 Crescent Boom Sheath Screw Mechanical Davit, Type 3-SS-7-0 (8,375 lb per arm).

160.032/12/0 Crescent Boom Sheath Screw Mechanical Davit, Type 4-CS-6-6-X (4,750 lb per arm).

160.032/13/0 Straight Boom Sheath Screw Mechanical Davit, Type 8-SS-6-0 (3,500 lb per arm).

160.032/14/0 Straight Boom Sheath Screw Mechanical Davit, Type 3A-S-6-6 (6,100 lb per arm).

160.032/15/0 Steward Mechanical Davit, Type 5-7-0 (3,750 lb per arm).

160.032/16/0 Steward Mechanical Davit, Type 6-6-0-X-X (3,000 lb per arm).

160.032/17/0 Steward Mechanical Davit, Type 4-6-10 (5,200 lb per arm).

160.032/18/0 Steward Mechanical Davit, Type 5-6-0-S (4,500 lb per arm).

160.032/19/0 Steward Mechanical Davit, Type 2X-7-0-L (7,500 lb per arm).

160.032/20/0 Sheath Screw Mechanical Davit, Type 5-S-6-0 (4,500 lb per arm).

160.032/21/0 Sheath Screw Mechanical Davit, Type 3-S-6-6 (7,000 lb per arm).

160.032/22/0 Sheath Screw Mechanical Davit, Type 4-CS-6-6 (5,500 lb per arm).

160.032/75/0 Spring Davit, Automatic Type C (10,000 pounds per arm). Approved only for use on one vessel for test purposes.

Lane Marine Technology, Inc., 150 Sullivan St., Brooklyn, NY 11231

160.032/23/0 Gravity Davit, Type 51-66 (9,500 lb per arm).

160.032/24/0 Gravity Davit, Type GR-16 (8,000 lb per arm).

160.032/25/0 Gravity Davit, Type GR-27 (13,500 lb per arm).

160.032/26/0 Gravity Davit, Type GR-19B (9,500 lb per arm).

160.032/27/0 Mechanical Davit, Type MD-65 (6,500 lb per arm).

160.032/28/0 Mechanical Davit Type MD-35-14 (3,500 lb per arm).

160.032/29/0 Mechanical Davit, Type MD 45010.5 (5,000 lb per arm).

160.032/30/0 Mechanical Davit, Type MD 65-12 (6,750 lb per arm).

160.032/31/0 Mechanical Davit, Type MD 90-17.5 (9,600 lb per arm).

160.032/32/0 Mechanical Davit, Type MD 65-16 (6,750 lb per arm).

160.032/33/2 Straight Boom Sheath Davit, Type RD5-10 (2,900 lb per arm) using not less than two-part falls.

160.032/34/0 Type S.S.L. 5-10.5 mechanical davit, 2500 lb per arm.

160.032/35/0 Mechanical Davit, Type S.S.L. 5-10-5 (2,500 lb per arm).

160.032/36/0 Mechanical Davit, Type S.S.L. 14 (7,000 lb per arm).

160.032/37/0 Mechanical Davit, Type S.S.L. 5 (2,500 lb per arm).

160.032/153/1 Gravity Davit, Type G 65 S-89 (6,500 lb per arm).

EQUIPMENT LISTS

Modena Boat & Engineering Co., 30 North LaSalle St., Chicago, IL 60603

160.032/38/0 Barclay Gravity Davit, Type A-1 (8,000 lb per arm).

160.032/39/0 Gravity Davit, Type B-1 (7,000 lb per arm).

Northern Line Machine & Engineering Co., 1840 Marine View Drive, Tacoma, WA 98422

160.032/250/0 Model NL-24-UP gravity pivot davit; (5,320 lb per arm) one-part falls.

Schat-Marine Safety Corp., P.O. Box 465, Foot of Industrial Rd., Farmingdale, NJ 07727

160.032/92/1 Straight Boom Sheath Screw Mechanical Davit, Type 22-31 (4,400 lb per arm) using not less than 2-part falls.

160.032/103/0 Straight Boom Sheath Screw Mechanical Davit, Type 24-40 (5,750 lb per arm).

160.032/105/0 Inboard Sheath Screw Mechanical Davit, Type 24-40 (5,750 lb per arm).

160.032/108/0 Gravity Davit, Type 22-24 (5,750 lb per arm).

160.032/112/1 Gravity Davit, Type 36.5-150 (16,750 lb per arm) using two-part falls.

160.032/113/2 Straight boom sheath screw mechanical davit, Type 26-53 MKII (7,500 lb per arm) using not less than two-part falls.

160.032/123/0 Straight boom sheath screw mechanical davit, Type 22-25 (3,500 lb per arm) using two-part falls.

160.032/129/1 Gravity Davit, Type 30-70 (10,250 lb per arm) using two-part falls.

160.032/131/1 Straight boom sheath screw mechanical davit, Type 22-25 MKII (3,750 lb per arm) using not less than two-part falls.

160.032/132/1 Straight boom sheath screw mechanical davit, Type 22-31 MKII (4,500 lb per arm) using not less than two-part falls.

160.032/133/2 Crescent sheath screw mechanical davit, Type B (6,350 lb per arm) using not less than two-part falls.

160.032/134/1 Crescent sheath screw mechanical davit, Type A (3,500 lb per arm) using not less than two-part falls.

160.032/140/2 Straight Boom sheath screw mechanical davit, Type 22-25F (3,500 lb per arm) using six-part falls.

160.032/142/3 Straight boom sheath screw mechanical davit, Type 24-40 MKII (6,000 lb per arm) using not less than two-part falls.

160.032/145/2 Straight boom sheath screw mechanical davit, Type 22-31-8 (3,750 lb per arm) using not less than two-part falls.

160.032/149/0 Single pivot mechanical davit, Type PFD-24 (6,300 lb per arm) using two-part falls.

160.032/160/1 Gravity davit Type 30-22 (11,120 lb per arm) using two-part falls.

160.032/167/0 Gravity Davit, Type 26-14 (7,000 lb per arm) using two-part falls.

160.032/171/1 Gravity davit, Type 30-22 MKII (11,120 lb per arm) using two-part falls.

160.032/173/0 Type 26-15 gravity davit, approved for a maximum working load of 15,000 lb per set (7,500 lb per arm) using 2-part falls.

160.032/176/1 Gravity pivot davit, type GPD-63; approval for a maximum working load of 12,600 lb per set (6,300 lb per davit arm) using 2-part falls.

160.032/179/0 Type 30-22 MK III gravity davit; (11,000 lb. per arm) two-part falls.

160.032/187/0 Type 33-30 gravity davit; 15,000 lb per arm using two-part falls.

160.032/189/3 Type S-30-22 fixed gravity davit. Approved for a maximum working load of 21,000 lb per set (10,500 lb. per arm) using two-part falls.

160.032/201/0 Type Crescent "B" (MK-1) mechanical davit; maximum working load 12,700 lb per set (6,350 lb per arm).

160.032/210/0 Type GPD-80 gravity pivot davit; 8,000 lb per arm using two-part falls.

160.032/220/0 Type 20-7 gravity davit; 3,500 lb per arm using two-part falls.

160.032/233/0 Type 24-14 gravity davit; approved for a maximum load of 14,000 lb per set (7,000 lb per arm) using single-part falls.

160.032/239/0 Type ORD/DHM (MK III) fixed gravity davit; (8,175 lb. per arm) one-part fall.

160.032/264/0 Type SPG(L) MK-II gravity pivot davit; 6,050 lb per arm using two-part falls.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Schat-Watercraft, Inc., 167 Bell Ave., P.O. Box 1050, Oak Hill, FL 32759

- 160.032/200/0 Type ORD/DSM fixed gravity davit; (8,025 lb per arm) using one-part falls.
- 160.032/203/0 Type GRA gravity davit; maximum working load 21,000 lb per set (10,500 lb per arm).
- 160.032/212/0 Type SPG(L) gravity pivot davit; maximum working load 16,934 lb per set (8,467 lb per arm) using two-part falls.
- 160.032/216/0 Type SPG (L) MKII gravity pivot davit (5,600 lb per arm) using two-part falls.
- 160.032/218/0 Type GRA (MKII) gravity davit (7,400 lb per arm) using two-part falls.
- 160.032/246/1 Type 28/WOD/OFF outrigger gravity davit; maximum working load 20,800 lb per set (10,400 lb per arm) using single-part falls.
- 160.032/247/0 Type 6.5 RBI/LP/WOD fixed gravity davit; (3,475 lb. per arm) one-part falls.
- 160.032/249/0 Type 16 SP/WOD outrigger gravity davit; 6,720 lb on a one-part fall.
- 160.032/252/0 Type WP/24 gravity pivot davit; 7,000 lb per arm using two-part falls.
- 160.032/274/0 Type SPG(VL)-27/15 gravity pivot davit, approved for a maximum working load of 27,000 lb per set (13,500 lb per arm) using two-part falls.

Survival Systems International, 34140 Valley Center Road, P.O. Box 1855, Valley Center, CA 92082

- 160.032/185/0 Type 20-200 outrigger gravity davit; (11,000 lb.) single one-part fall.
- 160.032/188/0 Telescoping gravity davit; (11,000 lb.) single one-part fall.
- 160.032/190/0 Type 20-400 survival capsule launching system (winch type), 11,000 lb on a single fall.
- 160.032/192/1 Type 20 1100-01 small survival capsule launching system; 6,000 lb on a single fall.
- 160.032/195/0 Type 20 1100-02 small capsule launching system, 6,000 lb on a single fall.
- 160.032/199/1 Type SS 1404 small survival capsule launching system (6,000 lb on a single fall).
- 160.032/206/1 Type SS-5001, 50-person survival capsule launching system (17,000 lb on a single fall).
- 160.032/215/0 Type SS-1407, small capsule launching system, 5,500 lb on a single fall.
- 160.032/219/0 Type SS 1406 outrigger gravity davit; (6,000 lb.) single one-part fall.
- 160.032/223/0 Type SS-5004, 50 person survival capsule launching system, 18,000 lb on a single part fall.

Vestdavit A/S, C. Sundtsigt. 37, N-5004 Bergen, Norway

- 160.032/294/0 Vestdavit PL-1500 hydraulic huffing rescue boat davit; approved for a maximum working load of 1500 kg on a single-part fall. Approval applies only to single installation on R/V NATHANIEL B. PALMER.

Welin Boat and Davit Division, Lake Shore, Inc., Iron Mountain, MI 49801

- 160.032/40/0 Gravity Davit, Type 28A (8,500 lb per arm).
- 160.032/41/0 Gravity Davit, Type 33A, 15,000 lb per arm.
- 160.032/42/2 Gravity Davit, Type 135 (22,000 lb per arm; 17,650 taken by falls and 4,350 taken by davit head) using two-part falls.
- 160.032/43/3 Gravity Davit, Type G-65-S (formerly Type 30-V) (6,500 lb per arm) using two part falls.
- 160.032/44/1 Crescent Sheath Screw Mechanical Davit, Type CA (5,850 lb per arm).
- 160.032/45/0 Crescent Sheath Screw Davit, Type CAB (6,500 lb per arm).
- 160.032/46/0 Gravity Davit, Type 51-59 (7,750 lb per arm).
- 160.032/47/5 Gravity Davit, Type G-105S (formerly Type 60-75) (11,000 lb per arm) using two-part falls.
- 160.032/48/0 Gravity Davit, Type 135 (Riveted head) (21,500 lb per arm).
- 160.032/49/0 Gravity Davit, Type 135S (20,500 lb per arm).
- 160.032/50/1 Gravity Davit, Type G135-S (13,500 lb per arm) using two-part falls.
- 160.032/51/0 Gravity Davit, Type 26A (7,000 lb per arm).
- 160.032/52/0 Gravity Davit, Type 36A (17,500 lb per arm).
- 160.032/53/1 Crescent Sheath Screw Mechanical Davit, Type C-26 (2,535 lb per arm) using not less than two-part falls.
- 160.032/54/0 Crescent Sheath Screw Mechanical Davit, Type A-5W (2,500 lb per arm).
- 160.032/55/1 Crescent Sheath Screw Mechanical Davit, Type C-53 (5,250 lb per arm) using not less than two-part falls.
- 160.032/56/0 Crescent Sheath Screw Mechanical Davit, Type C (6,750 lb per arm).
- 160.032/57/0 Crescent Sheath Screw Mechanical Davit, Type AA (3,000 pounds per arm).

EQUIPMENT LISTS

- 160.032/58/0 Quadrantal Mechanical Davit, Type B (7,750 lb per arm).
- 160.032/59/0 Quadrantal Mechanical Davit, Type C (6,750 lb per arm).
- 160.032/60/0 Quadrantal Mechanical Davit, Type D-48 (4,850 lb per arm).
- 160.032/61/0 Quadrantal Mechanical Davit, Type D-48A (4,050 lb per arm).
- 160.032/62/0 Quadrantal Mechanical Davit, Type D-54 (4,500 lb per arm).
- 160.032/63/1 Straight Boom Sheath Screw Mechanical Davit, Type B-45 (4,500 lb per arm).
- 160.032/64/0 Straight Boom Sheath Screw Mechanical Davit, Type A-7 (3,500 lb per arm).
- 160.032/65/1 Straight Boom Sheath Screw Mechanical Davit, Type B-40 (4,250 lb per arm).
- 160.032/66/0 Straight Boom Sheath Screw Mechanical Davit, Type B (6,750 lb per arm).
- 160.032/67/0 Straight Boom Sheath Screw Mechanical Davit, Type B-N (6,750 lb per arm).
- 160.032/68/1 Straight Boom Sheath Screw Mechanical Davit, Type B-61 (6,100 lb per arm) using not less than two-part falls.
- 160.032/69/1 Straight Boom Sheath Screw Mechanical Davit, Type B-77 (7,700 lb per arm) using five or six part falls.
- 160.032/94/0 Straight Boom Sheath Screw Mechanical Davit, Type BN-95 (9,500 lb per arm).
- 160.032/95/0 Crescent Sheath Screw Mechanical Davit, Type C-50 (5,000 lb per arm).
- 160.032/96/1 Straight Boom Sheath Screw Mechanical Davit, Type B-20 (2,000 lb per arm) using four, five, or six part falls.
- 160.032/98/0 Crescent Sheath Screw Mechanical Davit, Type C-80 (8,000 lb per arm).
- 160.032/100/0 Gravity Davit, Type 7-75 (7,500 lb per arm).
- 160.032/101/1 Straight Boom Sheath Screw Mechanical Davit, Type B-25 (2,500 lb per arm) using either five or six part fall.
- 160.032/102/1 Crescent Sheath Screw Mechanical Davit, Type C-68 (6,800 lb per arm) using two part falls.
- 160.032/109/1 Telescopic Gravity Davit, Type TG-9.5 (950 lb per arm) using one part falls.
- 160.032/110/0 Gravity Davit, Type LO-110 (11,000 lb per arm).
- 160.032/114/0 Crescent Sheath Screw Mechanical Davit, Type C-51 (5,115 lb per arm).
- 160.032/115/0 Gravity Davit, Type LO-90 (9,000 lb per arm).
- 160.032/117/0 Crescent Sheath Screw Mechanical Davit, Type C-60 (6,000 lb per arm) using two to five part falls.
- 160.032/118/0 Aluminum Gravity Davit, Type LO-100 (10,000 lb per arm).
- 160.032/119/0 Crescent Sheath Screw Mechanical Davit, Type CS8A (5,800 lb per arm) using two part falls.
- 160.032/120/0 Quadrantal Mechanical Davit, Type Q30D (3,000 lb per arm).
- 160.032/121/0 Gravity Davit, Type G165A (16,500 lb per arm) using two part falls.
- 160.032/124/0 Straight Boom Sheath Screw Mechanical Davit, aluminum, Type B-11-A (1,100 lb per arm).
- 160.032/135/0 Aluminum Straight Boom Sheath Screw Mechanical Davit, Type B-25A (2,500 lb per arm) using five part falls.
- 160.032/138/0 Crescent Sheath Screw Mechanical Davit, Type C-63-P (6,250 lb per arm).
- 160.032/147/0 Gravity Davit, Type G65S-8 (6,500 lb per arm) using two-part falls.
- 160.032/152/0 Gravity Davit, Type G-195-S 39,000 lb per set (19,500 lb per arm) using two part falls.
- 160.032/155/0 Straight Boom Sheath Screw Mechanical Davit, Type B-36 (Special) (3,605 lb per arm) using two part falls.
- 160.032/156/0 Gravity Davit, LO-65-S (6,500 lb per arm) using two part falls.
- 160.032/157/0 Gravity davit, Type G-90-S (9,000 lb per arm) using two part falls.
- 160.032/158/2 Gravity davit, Type G-55P (5,500 lb per arm) using two part falls. For use with Type H-55A lifeboat winch only.
- 160.032/159/0 Gravity davit, Type LO-38-S (4,500 lb per arm) using two part falls.
- 160.032/161/0 Gravity Davit, Type LO-90-8 (9,500 lb per arm) using two part falls.
- 160.032/162/0 Straight boom sheath screw mechanical davit, Type B-30 (3,000 lb per arm) using not less than two part falls.
- 160.032/164/0 Gravity davit, Type G-62-P (6,250 lb per arm) using not less than two part falls.
- 160.032/168/0 Gravity davit, Type G-105S (11,000 lb per arm) using not less than two part falls.

Welin-MacLaughlin Davits, Ltd., London, United Kingdom

160.032/165/0 Gravity davit.

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.033 MECHANICAL DISENGAGING APPARATUS, LIFEBOAT

C. C. Galbraith & Son, Inc., P.O. Box 185, Keyport, NJ 07735

- 160.033/1/0 Steward Type A (7,650 lb per hook).
- 160.033/2/0 Steward Type B (11,200 lb per hook).
- 160.033/3/0 Rottmer Type, size A (6,000 lb per hook).
- 160.033/4/5 Rottmer Type, size C (9,150 lb per hook).
- 160.033/5/0 Mills Type (11,500 lb per hook).
- 160.033/54/2 Rottmer Type, size D (12,500 lb per hook).
- 160.033/59/0 Rottmer Type, size B-10 (10,500 lb per hook).

Frank Morrison & Son Co., 1330 West 11th Street, Cleveland, OH 44113

- 160.033/20/0 Rottmer Type A (4,500 lb per hook).
- 160.033/21/0 Rottmer Type B (5,500 lb per hook).
- 160.033/22/0 Rottmer Type C (7,100 lb per hook).

Harding Safety A/S, N-5470 Rosendal, Norway

- 160.033/76/0 Single fall lowering hook for lifeboat.

Imperial Lifeboat & Davit Co., Inc., Athens, NY 12015

- 160.033/6/0 Mills Type F (6,000 lb per hook).
- 160.033/7/0 Mills Type G (6,000 lb per hook).
- 160.033/8/0 Rottmer Type, assembly A (6,200 lb per hook).
- 160.033/9/0 Rottmer Type R-1 (7,650 lb per hook).
- 160.033/10/0 Rottmer Type R-2 (9,500 lb per hook).
- 160.033/11/0 Rottmer Type R-3 (9,100 lb per hook).
- 160.033/12/0 Rottmer Type OR5 (12,600 lb per hook).

Kargard Boat and Engine Co., Marinette, WI 54143

- 160.033/13/0 Rottmer Type 5A (10,200 lb per hook).

Landley Co., Inc., 15 Park Row, New York, NY 10007

- 160.033/14/0 Stewart Type A (4,250 lb per hook).

Lane Marine Technology, Inc., 150 Sullivan St., Brooklyn, NY 11231

- 160.033/15/0 Mills Type, size C (6,500 lb per hook).
- 160.033/16/0 Mills Type, size D (9,500 lb per hook).
- 160.033/17/0 Rottmer Type size A (6,500 lb per hook).
- 160.033/18/0 Rottmer Type, size B (10,300 lb per hook).
- 160.033/19/0 Rottmer Type, size C (13,530 lb per hook).
- 160.033/26/3 Rottmer type size 297 releasing gear.
- 160.033/27/4 Rottmer type size 298 releasing gear.
- 160.033/49/0 Type RG-12 (1,250 lb per hook) limited to installation in lifeboats carried under Type TG-9.5 telescopic gravity davit.

Lann Laminates, Inc., Huntington Station, NY 11798

- 160.033/55/0 Rottmer Type A-7 (6,750 lb per hook).
- 160.033/57/1 Rottmer Type B-10 (10,000 lb per hook).

Schat-Marine Safety Corp., P.O. Box 465, Foot of Industrial Rd., Farmingdale, NJ 07727

- 160.033/30/0 Rottmer Type A-1 (10,650 lb per hook).
- 160.033/31/0 Rottmer Type A-2 (18,770 lb per hook).
- 160.033/38/0 Mills Type R (10,000 lb per hook).
- 160.033/40/0 Rottmer Type L-1 (14,800 lb per hook).
- 160.033/53/0 Rottmer Type L-1B (18,500 lb per hook).

EQUIPMENT LISTS

Schat-Watercraft, Inc., 167 Bell Avenue, P.O. Box 1050, Oak Hill, FL 32759
160.033/65/1 Rottner Type, Welin size 299, modified (7,860 lb per hook).

Welin Boat and Davit Division, Lake Shore, Inc., Iron Mountain, MI 49801
160.033/23/2 Mills Type Size "A" (6,000 lb per hook).
160.033/24/2 Mills Type Size "B" (11,700 lb per hook).
160.033/25/2 Mills Type Size "C" (17,900 lb per hook).
160.033/35/0 Steward Type A (5,160 lb per hook).
160.033/36/0 Steward Type B (8300 lb per hook).
160.033/37/1 Rottner Type R-50 (5,000 lb per hook).
160.033/44/0 Type T-9.5 (950 lb per hook).
160.033/47/1 Rottner Type Size 298-C (12,500 lb per hook).

160.034 HAND-PROPELLING GEAR, LIFEBOAT

Allen Manual Motor Co., 695 Castro St., San Francisco, CA 94114
160.034/1/0 1943 Model.

C. C. Galbraith & Son, Inc., P.O. Box 185, Keyport, NJ 07735
160.034/8/0 Type A, Size 1.
160.034/12/2 Type B, Size 1.

Fleming Oarless Lifeboat Corp., 61 Broadway, New York, NY 10006
160.034/2/0 Fleming Type W.

Frank Morrison & Son Co., 1330 West 11th St., Cleveland, OH 44113
160.034/4/0 Morrison Type.

Imperial Lifeboat & Davit Co., Inc., Athens, NY 12015
160.034/7/0 Fleming Patent.

Lake Shore, Inc., Marine Division, Iron Mountain, MI 49801
160.034/15/2 Type WSG-1, Hand-propelling gear.

Lane Marine Technology, Inc., 150 Sullivan St., Brooklyn, NY 11231
160.034/3/0 Ro-Tork Gear.
160.034/16/0 Type M-1, hand-propelling gear.

Luna Laminates, Inc., Huntington Station, NY 11798
160.034/17/0 Type MAR-30.

Schat-Marine Safety Corp., P.O. Box 465, Foot of Industrial Road, Farmingdale, NJ 07727
160.034/10/2 Type X.
160.034/11/0 Type Y.

Welin Boat and Davit Division, Lake Shore, Inc., Iron Mountain, MI 49801
160.034/5/0 Welin Type.
160.034/6/1 Double Gear Type.
160.034/9/1 Single Gear Type.
160.034/14/0 Double Gear Type B.

160.035 LIFEBOATS

Boatcraft Company, Cropsey & 26th St., Brooklyn, NY 11214
160.035/136/0 12.0' x 4.5' x 2.0' steel, oar propelled, 12 person.
160.035/137/1 16.0' x 5.5' x 2.38' steel, oar propelled, 12 person.
160.035/138/0 22.0' x 7.5' x 3.16' steel, oar propelled, 31 person.

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.035/139/0 24.0' x 8.0' x 3.5' steel, oar propelled, 40 person.
 160.035/198/0 14.0' x 5.2' x 2.3' steel, oar propelled, 10 person.

C. C. Galbraith & Son, Inc., P.O. Box 185, Keyport, NJ 07735
 160.035/7/0 14.0' x 4.8' x 2.0' steel, oar propelled, propelled, 8 person.
 160.035/8/3 12.0' x 4.5' x 1.95' steel, oar propelled, 4 person.
 160.035/9/2 14.0' x 5.0' x 2.2' steel, oar propelled, 9 person.
 160.035/10/3 14.0' x 5.2' x 2.3' steel, oar propelled, 12 person.
 160.035/11/2 16.0' x 5.7' x 2.3' steel, oar propelled, 12 person.
 160.035/12/4 18.0' x 5.5' x 2.4' steel oar propelled, 14 person.
 160.035/13/0 18.0 ft x 5.5 ft x 2.4 ft steel, oar-propelled, 14-person capacity.
 160.035/15/4 20.0' x 6.5' x 2.6' steel, oar propelled, 18 person.
 160.035/16/3 22.0' x 7.5' x 3.17' steel, oar propelled, 24 person.
 160.035/17/4 22.0' x 7.5' x 3.17' steel, oar propelled, 31 person.
 160.035/18/0 22.0' x 7.5' x 3.167' steel, motor propelled, without radio cabin, 25 person.
 160.035/19/3 24.0' x 7.0' 3.0' steel, oar propelled, 30 person.
 160.035/20/5 24.0' x 8.0' x 3.5' steel, oar propelled, 40 person.
 160.035/21/3 24.0' x 7.75' x 3.33' steel, oar propelled, 37 person.
 160.035/22/4 24.0' x 8.0' x 3.25' steel, oar propelled, 40 person.
 160.035/23/0 24.0' x 8.0' 3.5' steel motor propelled, without radio cabin, T Bar keel, 36 person.
 160.035/24/3 24.0' x 8.0' x 3.5' steel, motor propelled without radio cabin (Class B), 36 person.
 160.035/25/0 26.0' x 7.75' x 3.25' steel, oar propelled, 40 person.
 160.035/26/3 26.0' x 8.75' x 3.75' steel, oar propelled, 50 person.
 160.035/27/4 28.0' x 9.0' x 4.0' steel, oar propelled, 59 person.
 160.035/28/2 28.0' x 10.0' x 4.0' steel, motor propelled without radio cabin (Class B), 60 person.
 160.035/29/2 28.0' x 10.0' x 4.0' steel, hand propelled, 62 person.
 160.035/164/0 26.0' x 9.0' x 3.25' steel, oar propelled, 50 person.
 160.035/166/2 30.0' x 10.0' x 4.0' steel, hand propelled, 72 person.
 160.035/213/3 12.0' x 4.4' x 1.9' steel, oar propelled, 4 person.
 160.035/228/1 30.0' x 10.0' x 4.0' steel, motor propelled (Class 1), 70 person.
 160.035/236/2 16.0' x 5.8' x 2.43' steel, oar propelled, 10 person.
 160.035/291/1 31.0' x 11.25' x 4.5' steel, hand propelled 88 person.
 160.035/295/0 31.0' x 11.25' x 4.5' steel, motor propelled without radio cabin (Class B), 86 person.
 160.035/305/2 26.0' x 7.75' x 3.33' steel, propelled, 40 person.
 160.035/314/2 22.0' x 7.5' x 3.17' steel, motor propelled (Class 1), 28 person.
 160.035/329/3 24.0' x 8.0' x 3.5' steel, motor propelled (Class 1), 37 person.
 160.035/331/2 24.0' x 8.0' x 3.25' steel, hand propelled, 40 person.
 160.035/372/0 26.0' x 8.75' x 3.75' steel, hand propelled, 53 person.
 160.035/373/1 22.0' x 7.5' x 3.17' steel, hand propelled, 30 person.
 160.035/395/1 24.0' x 8.33' x 3.58' steel, oar propelled, 43 person.
 160.035/401/3 26.0' x 9.0' x 3.83' steel, hand propelled, 51 person.
 160.035/422/1 24.0' x 8.33' x 3.58' steel, hand propelled, 43 person.
 160.035/434/1 16.0' x 6.25' x 2.5' steel, oar propelled, 11 person.
 160.035/440/0 30.0' x 10.0' x 4.33' fibrous glass reinforced plastic motor propelled (Class 1), 74 person.
 160.035/450/0 26.0' x 9.0' x 3.83' steel, motor propelled (Class 1) 48 person.

Fox River Boat Works, De Pere, WI 54115
 160.035/140/0 27.8' x 8.5' x 3.8' wood, oar propelled 38 person.

Frank Morrison & Son Co., 1330 West 11th St., Cleveland, OH 44113
 160.035/116/0 24.0' x 7.9' x 3.33' steel, oar propelled, 37 person.
 160.035/117/0 14.0' x 5.75' x 2.62' steel, oar propelled, 12 person.
 160.035/118/0 16.0' x 6.0' x 2.5' steel, oar propelled, 14 person.
 160.035/119/0 22.0' x 6.0' x 2.58' steel, oar propelled, 20 person.

EQUIPMENT LISTS

160.035/120/0 22.0' x 6.17' x 2.75' steel, oar propelled, 22 person.
 160.035/121/2 24.0' x 6.67' x 3.0' steel, oar propelled, 25 person.
 160.035/122/0 24.0' x 7.0' x 3.0' steel, oar propelled, 30 person.
 160.035/123/0 28.0' x 9.25' x 4.0' steel, hand propelled, 60 person.
 160.035/124/0 14.0' x 5.66' x 2.208' steel, oar propelled, 10 person.
 160.035/125/0 14.0' x 5.83' x 6.625' steel, oar propelled, 15 person.
 160.035/126/2 16.0' x 6.0' x 2.67' steel, oar propelled, 15 person.
 160.035/127/0 18.0' x 6.0' x 2.5' steel, oar propelled, 16 person.
 160.035/128/0 18.0' x 5.84' x 2.5' steel, oar propelled, 15 person.
 160.035/129/0 20.0' x 6.0' x 2.16' steel, oar propelled, 15 person.
 160.035/130/0 20.0' x 6.0' x 2.5' steel, oar propelled, 18 person.
 160.035/131/0 22.0' x 6.5' x 2.75' steel, oar propelled, 23 person.
 160.035/132/0 26.0' x 7.75' x 3.36' steel, oar propelled, 40 person.
 160.035/133/0 26.0' x 9.0' x 3.63' steel, oar propelled, 50 person.
 160.035/134/0 28.0' x 8.38' x 3.58' steel, oar propelled, 50 person.

George M. Kneass Co., 18th & Illinois Streets, San Francisco, CA 94107
 160.035/232/0 15.0' x 5.42' x 2.25' wood, oar propelled 10 person.

Gunderson Brothers, 4700 Northwest Front Avenue, Portland, OR 97210
 160.035/67/0 24.0' x 8.1' x 3.75' wood, motor propelled, without radio cabin, 34 person.
 160.035/68/0 24.0' x 8.0' x 3.75' wood, oar propelled, 34 person.
 160.035/69/0 24.0' x 8.5' x 3.5' wood, oar propelled, 40 person.

Harding Safety A/S, N-5470 Rosendal, Norway

160.035/504/0 7.40 m (23.95') x 2.76 m (9.06') x 1.15 m (3.77') fibrous glass.
 160.035/507/0 MA 24 7.30 m (23.95 ft.) x 2.40 m (7.87 ft.) x 1.02 m (3.35 ft.), FRP, motor propelled, 41 person capacity, Class I.
 160.035/512/0 7.30 m (23.95 ft.) x 2.40 m (7.87 ft.) x 1.02 m (3.35 ft.) FRP open oar-propelled lifeboat, 42 person, class I.
 160.035/519/0 8.0 m (26.25 ft.) x 2.54 m (8.33 ft.) x 1.14 m (3.74 ft.) FRP engine propelled open lifeboat, 49 person Class I.
 160.035/523/0 7.30 m (23.95 ft.) x 2.76 m (9.06 ft.) x 1.15 m (3.77 ft.) FRP tot. encl. motor l/b (Class I), 47 person capacity.

Imperial Lifeboat & Davit Co., Inc., Athens, NY 12015

160.035/70/0 16.0' x 5.71' x 2.30' steel oar propelled, 12 person.
 160.035/71/0 18.0' x 6.0' x 2.375' steel, oar propelled, 15 person.
 160.035/72/0 22.0' x 7.5' x 3.17' steel, oar propelled, 31 person.
 160.035/73/0 22.0' x 7.5' x 3.17' steel, motor propelled, without radio cabin, 25 person.
 160.035/74/0 24.0' x 8.0' x 3.42' steel, oar propelled, 38 person.
 160.035/75/0 24.0' x 8.0' x 3.42' steel, motor propelled without radio cabin, 35 person.
 160.035/76/0 26.0' x 9.0' x 3.6' steel, motor propelled without radio cabin, 44 person.
 160.035/77/0 26.0' x 9.0' x 3.6' steel, oar propelled, 50 person.
 160.035/78/0 28.0' x 9.0' x 3.96' steel, oar propelled, 52 person.
 160.035/79/0 28.0' x 9.0' x 3.96' steel, oar propelled, 59 person.
 160.035/80/0 28.0' x 9.0' x 3.96' steel, motor propelled, with radio cabin, 55 person.
 160.035/81/0 30.0' x 9.67' x 4.17' steel, motor propelled, with radio cabin, 55 person.

Inter-Island Steam Navigation Co., Honolulu, HI 96800

160.035/114/0 26.0' x 7.67' x 3.92' wood motor propelled, without radio cabin, for Hawaiian waters only, 43 person.
 160.035/115/0 26.0' x 7.67' x 3.42' wood oar propelled, 40 person.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Kargard Boat and Engine Co., Marinette, WI 54143

- 160.035/141/0 22.0' x 7.5' x 3.25' steel oar propelled, 31 person.
- 160.035/142/0 22.0' x 7.5' x 3.25' steel, motor propelled without radio cabin, 25 person.
- 160.035/143/0 24.0' x 8.0' x 3.73' steel, motor propelled without radio cabin, 35 person.
- 160.035/144/0 24.0' x 8.0' x 3.73' steel, oar propelled, 40 person.
- 160.035/145/0 28.0' x 9.0' x 4.0' steel, motor propelled without radio cabin, 46 person.

Lane Marine Technology, Inc., 150 Sullivan St., Brooklyn, NY 11231

- 160.035/38/4 24.0 ft x 7.75 ft x 3.33 ft steel motor propelled, without radio cabin or searchlight, Class I, 35 person capacity.
- 160.035/85/2 12.0 ft x 4.4 ft x 1.9 ft steel, oar-propelled lifeboat, 4-person capacity.
- 160.035/86/0 14.0' x 5.0' x 2.0' steel, oar propelled, 8 person.
- 160.035/87/3 14.0 ft x 5.0 ft x 2.17 ft steel, oar-propelled lifeboat, 6-person capacity.
- 160.035/88/2 14.0' x 5.4' x 2.3' steel, oar propelled, 10 person.
- 160.035/89/4 16.0 ft x 5.71 ft x 2.3 ft steel, oar-propelled lifeboat, 9-person capacity.
- 160.035/90/2 18.0' x 6.0' x 2.4' steel, oar propelled, 15 person.
- 160.035/91/4 18.0 ft x 6.0 ft x 2.6 ft steel, oar-propelled lifeboat, 13 person capacity.
- 160.035/92/2 18.0 ft x 6.0 ft x 2.6 ft aluminum, oar-propelled lifeboat, 13-person capacity.
- 160.035/93/0 20.0' x 6.6' x 2.6' steel, oar propelled, 20 person.
- 160.035/94/2 20.2' x 6.0' x 2.5' steel, oar propelled, 18 person.
- 160.035/95/0 20.0' x 7.0' x 3.10' steel, oar propelled, 26 person.
- 160.035/96/0 22.0' x 6.9' x 2.8' steel, oar propelled, 25 person.
- 160.035/97/8 20.0 ft x 7.5 ft x 3.17 ft steel, motor-propelled lifeboat, without radio cabin or searchlight, Class I, 28-person capacity.
- 160.035/98/5 22.0 ft x 7.5 ft x 3.17 ft steel, oar-propelled lifeboat, 30-person capacity.
- 160.035/99/0 24.0' x 7.0' x 3.0' steel, oar propelled, 30 person.
- 160.035/100/2 24.0 ft x 7.73 ft x 3.33 ft steel, oar-propelled lifeboat, 39-person capacity.
- 160.035/101/0 24.0' x 7.9' x 3.3' steel, oar propelled, 37 person.
- 160.035/102/8 24.0 ft x 8.0 ft x 3.5 ft steel, motor-propelled lifeboat, without radio cabin or searchlight, Class I, 37-person capacity.
- 160.035/103/4 24.0 ft x 8.0 ft x 3.5 ft steel, oar-propelled lifeboat, 40-person capacity.
- 160.035/104/0 24.0' x 8.0' x 3.73' steel, oar propelled, 40 person.
- 160.035/105/3 26.0 ft x 9.0 ft x 3.8 ft steel, motor-propelled lifeboat, Class I, 48-person capacity.
- 160.035/106/2 26.0' x 8.3' x 3.58 steel, oar propelled, 46 person.
- 160.035/107/0 26.0' x 9.0' x 3.6' steel, oar propelled, 50 person.
- 160.035/108/0 28.0' x 9.25' x 3.83' aluminum, motor propelled, without radio cabin, 54 person.
- 160.035/109/0 28.0' x 9.25' x 3.83' steel, oar propelled, 59 person.
- 160.035/110/3 28.0 ft x 9.79 ft x 4.12 ft steel, motor-propelled lifeboat without radio cabin or searchlight, Class I, 62-person capacity.
- 160.035/111/1 28.0' x 9.25' x 3.83' steel, motor propelled without radio cabin (Class B), 52 person.
- 160.035/112/0 30.0' x 9.25' x 3.83' steel, motor-propelled, without radio cabin, 56 person.
- 160.035/113/0 31.0' x 11.25' x 4.5' steel, oar propelled, 84 person.
- 160.035/159/0 12.0' x 4.4' x 1.9' steel, oar propelled, 6 person.
- 160.035/160/1 16.0' x 5.0' x 2.1' steel, oar propelled, 10 person.
- 160.035/244/1 18.0' x 6.0' x 2.5' aluminum, motor-propelled without radio cabin (Class B) 14 person.
- 160.035/254/2 16.0' x 6.25' x 2.5' steel, oar propelled, 15 person.
- 160.035/277/1 20.0' x 6.5' x 2.6' aluminum, oar propelled, 20 person.
- 160.035/288/3 26.0 ft x 9.0 ft x 3.83 ft steel, oar-propelled lifeboat, 53-person capacity.
- 160.035/302/1 20.0' x 6.5' x 2.6' steel, oar propelled, 20 person.
- 160.035/306/1 16.0 ft x 5.7 ft x 2.3 ft aluminum, oar-propelled lifeboat, 9-person capacity.
- 160.035/333/0 12.0' x 4.46' x 1.98' steel, oar propelled, square stern, 6 person.
- 160.035/348/1 12.0 ft x 4.4 ft x 1.9 ft aluminum, oar-propelled lifeboat, 4-person capacity.
- 160.035/387/1 24.0' x 8.0' x 3.5' fibrous glass reinforced plastic (FRP), oar propelled, 40 person.

EQUIPMENT LISTS

160.035/388/1 24.0' x 8.0' x 3.5' fibrous glass reinforced plastic (FRP), motor propelled (Class 1), 37 person.
 160.035/404/1 22.0 ft x 7.5 ft x 3.17 ft aluminum, oar-propelled lifeboat, 30-person capacity.
 160.035/409/0 26.0 ft x 9.0 ft x 3.83 ft aluminum oar-propelled lifeboat, 53-person capacity.
 160.035/413/1 24.0 ft x 8.0 ft x 3.5 ft steel, hand-propelled lifeboat, 40-person capacity.
 160.035/414/1 22.0 ft x 7.5 ft x 3.16 ft steel, hand-propelled lifeboat, 30-person capacity.
 160.035/451/0 24.0' x 8.0' x 3.5' fibrous glass reinforced plastic (FRP), hand propelled, 40 person.
 160.035/453/0 28.0 ft x 9.8 ft x 4.12 ft steel, hand-propelled lifeboat, 66-person capacity.
 160.035/455/1 26.0 ft x 9.0 ft x 3.8 ft aluminum, motor-propelled lifeboat, Class 1, 48-person capacity.
 160.035/456/0 28.0' x 9.0' x 3.8' aluminum, oar propelled, 59 person.
 160.035/458/1 24.0 ft x 7.75 ft x 3.33 ft steel, hand-propelled, 39-person capacity.
 160.035/462/0 26.0' x 9.0' x 3.83' fibrous glass reinforced plastic (FRP), motor propelled, class 1, 48 person.
 160.035/463/0 26.0' x 9.0' x 3.83' fibrous glass reinforced plastic (FRP) oar propelled, 53 person.
 160.035/464/1 24.0 ft x 8.0 ft x 3.5 ft aluminum, motor-propelled, Class 1, 37-person capacity.
 160.035/520/0 37.42 ft x 12.5 ft x 5.42 ft, motor-propelled, Class 1, fibrous glass reinforced plastic, (FRP), 115 person capacity.
 160.035/521/0 37.42 ft x 12.5 ft x 5.42 ft, motor-propelled, Class III, fibrous glass reinforced plastic (FRP) with radio cabin, 102-person capacity.

Luna Laminates, Inc., Huntington Station, NY 11798

160.035/378/0 16.0' x 5.5' x 2.33' fibrous glass reinforced plastic, oar propelled, 12 person.
 160.035/405/0 30.0' x 10.0' x 4.33' fibrous reinforced plastic, hand propelled, 78 person.
 160.035/423/0 30.0' x 10.0' x 4.33' fibrous glass reinforced plastic, motor propelled (Diesel), 74 person.
 160.035/431/0 24.0' x 8.0' x 3.5' fibrous glass reinforced plastic, oar propelled, 40 person.
 160.035/432/0 24.0' x 8.0' x 3.5' fibrous glass reinforced plastic (FRP), motor propelled (Diesel), 37 person.

Neptune Boat & Davit Co., Inc., New Orleans, LA 70116

160.035/1/0 16.0' x 5.5' 2.38' steel, oar propelled, 12 person.
 160.035/2/0 20.0' x 6.0' x 2.5' steel, oar propelled, 18 person.
 160.035/3/0 22.0' x 7.5' x 2.75' steel, oar propelled, 24 person.
 160.035/4/0 22.0' x 7.5' x 3.17' steel, oar propelled, 31 person.
 160.035/5/0 24.0' x 8.0' x 3.75' steel, oar propelled, 38 person.
 160.035/6/0 24.0' x 8.0' x 3.75' steel, motor propelled, without radio cabin, 35 person.

Schat-Marine Safety Corp., P.O. Box 465, Foot of Industrial Rd., Farmingdale, NJ 07727

160.035/197/4 18.0' x 5.75' x 2.42' steel, oar propelled, 12 person.
 160.035/203/1 24.0' x 8.0' x 3.73' steel, oar propelled, 40 person.
 160.035/204/4 20.0' x 6.0' x 2.5' steel, oar propelled, 16 person.
 160.035/208/5 12.0' x 4.42' x 1.92' steel, oar propelled, 4 person.
 160.035/211/6 22.0 ft x 7.5 ft x 3.17 ft steel, oar-propelled, 30-person capacity.
 160.035/216/4 14.0' x 5.0' x 2.17' steel, oar propelled, 6 person.
 160.035/221/2 24.0' x 7.63' x 3.21' steel, oar propelled, 35 person.
 160.035/222/1 24.0' x 8.0' x 3.73' steel, motor propelled without radio cabin, 37 person.
 160.035/229/1 28.0' x 9.0' x 3.96' steel, oar-propelled lifeboat, 59 person capacity.
 160.035/239/1 28.0' x 9.79 x 4.13' steel, hand propelled, 68 person.
 160.035/241/1 36.5' x 12.5' x 5.33' aluminum, hand propelled, 150 person.
 160.035/242/0 26.0' x 8.25' x 3.37' aluminum, oar propelled, 48 person.
 160.035/243/1 36.5' x 12.5' x 5.33' aluminum, motor propelled, with radio cabin (Class A), 140 person.
 160.035/246/3 22.0' x 6.5' x 2.67' steel, oar propelled, 22 person.
 160.035/247/1 24.0' x 8.0' x 3.75' steel, motor propelled lifeboat without radio cabin, 40 person.
 160.035/262/2 26.0' x 8.33' 3.54' steel, oar propelled, 46 person.
 160.035/270/3 16.0' x 5.0' x 2.08' steel, oar propelled, 8 person.
 160.035/271/2 22.0' x 6.75' x 2.92' steel, oar propelled, 25 person.
 160.035/274/3 22.0' x 6.75' x 2.92' aluminum, oar propelled, 25 person.
 160.035/279/2 30.0' x 10.0' x 4.13' aluminum, hand propelled, 70 person.

FORMERLY APPROVED LIFESAVING EQUIPMENT

- 160.035/281/3 26.0 ft x 9.0 ft x 3.83 ft steel, oar-propelled, 53-person capacity.
 160.035/282/1 24.0' x 7.63' x 3.21' aluminum, oar propelled, 35 person.
 160.035/284/4 16.0 ft x 5.5 ft x 2.38 ft aluminum, oar-propelled, 9-person capacity.
 160.035/286/4 24.0' x 8.0' x 3.5' steel, oar-propelled lifeboat.
 160.035/289/2 24.0' x 7.75' x 3.33' steel, oar propelled, 37 person.
 160.035/294/1 24.0' x 7.63' x 3.21' aluminum, motor propelled without radio cabin (Class B), 33 person.
 160.035/298/1 30.0' x 10.0' x 4.13' aluminum, motor propelled without radio cabin (Class B), 68 person.
 160.035/299/2 24.0' x 8.0' x 3.5' aluminum, oar-propelled lifeboat.
 160.035/300/5 24.0' x 8.0' x 3.5' aluminum, motor-propelled lifeboat.
 160.035/304/0 24.0' x 7.75' x 3.33' steel, motor propelled without radio cabin (Class B), 34 person.
 160.035/309/2 24.0' x 7.75' x 3.33' steel, hand propelled, 37 person.
 160.035/310/0 28.0' x 9.0' x 3.96' steel, hand propelled, 61 person.
 160.035/311/4 24.0 ft x 8.0 ft x 3.5 ft steel, motor-propelled, without radio cabin or searchlight, Class 1, 37-person capacity.
 160.035/317/1 20.0' x 6.0' x 2.5' aluminum, oar propelled, 16 person.
 160.035/320/1 30.67' x 10.17' x 4.25' steel, hand propelled, 77 person.
 160.035/322/3 22.0' x 7.5' x 3.17' steel, hand propelled, 30 person.
 160.035/326/0 28.0' x 9.0' x 3.96' steel, motor propelled without radio cabin (Class B), 59 person.
 160.035/327/1 16.0' x 5.25' x 2.25' aluminum, oar propelled, 8 person.
 160.035/330/0 24.0' x 7.63' x 3.21' steel, motor propelled without radio cabin (Class B), 33 person.
 160.035/334/1 26.0 ft x 9.0 ft x 3.83 ft steel, motor-propelled, without radio cabin or searchlight, Class 1, 48-person capacity.
 160.035/335/0 28.0' x 9.79' x 4.13' steel, motor propelled lifeboat without radio cabin (Class B), 63 person.
 160.035/338/2 28.0' 9.0' x 3.96' aluminum, oar-propelled lifeboat.
 160.035/341/0 22.0' x 7.5' x 3.17' steel, oar propelled, 31 person.
 160.035/342/2 24.0' x 8.0' x 3.5' aluminum, hand-propelled lifeboat.
 160.035/343/3 26.0 ft x 7.68 ft x 3.54 ft aluminum, oar-propelled lifeboat, 42-person capacity.
 160.035/347/0 28.0' x 9.79' x 4.13' aluminum, motor propelled without radio cabin (Class B), 60 person.
 160.035/349/0 24.0' x 8.63' x 3.88' steel, motor propelled without radio cabin (Class B), 43 person.
 160.035/350/2 18.0' x 6.0' x 2.5' steel, oar propelled, 13 person.
 160.035/358/1 26.0' x 7.88' x 3.54' steel, oar propelled, 42 person.
 160.035/360/1 16.0' x 6.0' x 2.5' steel, oar propelled, 11 person.
 160.035/363/2 24.0 ft x 8.0 ft x 3.5 ft steel, hand-propelled lifeboat, 40-person capacity.
 160.035/369/0 28.0' x 9.79' x 4.13' steel, hand propelled, 66 person.
 160.035/371/1 26.0 ft x 9.0 ft x 3.93 ft steel, hand-propelled, 53-person capacity.
 160.035/381/4 24.0' x 8.0' x 3.5' fibrous glass reinforced plastic (FRP), oar propelled, 40-person.
 160.035/382/1 26.0' x 9.0' x 3.83' aluminum, hand propelled, 53 person.
 160.035/384/0 28.0' x 9.79' x 4.13' aluminum, hand propelled, 69 person.
 160.035/386/1 26.0' x 8.25' x 3.5' aluminum, oar propelled, 50 person.
 160.035/391/1 28.0' x 9.79' x 4.13' aluminum, motor propelled with radio cabin (Class A), 60 person.
 160.035/396/4 24.0' x 8.0' x 3.5' fibrous glass reinforced plastic hand-propelled lifeboat.
 160.035/397/7 24.0' x 8.0' x 3.5' fibrous reinforced plastic (FRP), motor propelled (Class 1), 37 person.
 160.035/410/8 30.0' x 10.0' x 4.33' fibrous glass reinforced plastic (FRP), hand propelled, 78 person.
 160.035/421/2 30.0' x 10.0' x 4.33' aluminum, hand propelled, 78 person.
 160.035/424/1 28.0' x 8.46' x 3.79' steel, oar propelled, 55 person.
 160.035/426/0 28.0' x 8.46' x 3.97' steel, motor propelled (Diesel), 52 person.
 160.035/430/0 18.0' x 6.0' x 2.5' aluminum, motor propelled (Diesel), 10 person.
 160.035/435/1 24.0' x 7.25' x 3.25' steel, oar-propelled lifeboat.
 160.035/436/0 24.0' x 7.25' x 3.25' steel, motor propelled (Diesel), 30 person.
 160.035/442/1 26.0' x 7.88' x 3.54' aluminum, motor propelled (Diesel 6-knot), without radio cabin (Class 1), 40 person.
 160.035/443/6 30.0' x 10.0' x 4.33' fibrous glass reinforced plastic (FRP), (Class 1), motor propelled, 74 person.

EQUIPMENT LISTS

160.035/444/1 28.0' x 9.0' x 3.96' aluminum, hand-propelled lifeboat.
 160.035/447/2 28.0 ft x 9.0 ft x 3.96 ft aluminum, motor-propelled, Class 1, 53-person capacity.
 160.035/459/0 26.0' x 9.0' x 3.83' fibrous glass reinforced plastic (FRP), oar propelled, 53-person.
 160.035/460/0 26.0' x 9.0' x 3.83', fibrous glass reinforced plastic motor-propelled, 48 person capacity.
 160.035/461/0 26.0' x 9.0' x 3.83', fibrous glass reinforced plastic hand-propelled, 53 person capacity.
 160.035/466/2 30.0' x 10.0' x 4.33' steel, hand-propelled lifeboat, 78 person capacity.
 160.035/472/2 30.0 ft x 10.0 ft x 4.33 ft fibrous glass reinforced plastic (FRP) totally enclosed, Class 1, motor-propelled, 69-person capacity.
 160.035/479/1 24.0' x 8.0' x 3.5' motor propelled without radio cabin, 37 person capacity.
 160.035/489/0 20.0 ft x 6.5 ft x 2.67 ft steel, motor-propelled, Class 1, 16-person capacity.
 160.035/502/0 30.0 ft x 10.0 ft x 4.33 ft fibrous glass reinforced plastic (FRP) motor-propelled, Class 3 lifeboat (searchlight & radio cabin), 69-person capacity.

Schat Watercraft Ltd., Munby Road, Gosport, Hampshire, United Kingdom PO12 1AE

160.035/427/0 36.5' x 12.0' x 5.25', fibrous glass reinforced plastic (FRP), motor lifeboat w/radio cab, Class A, 128 pers cap.

Survival Systems International (formerly Whittaker Corp.), 34140 Valley Center Road, P.O. Box 1855, Valley Center, CA 92082

160.035/454/0 13.5' diameter x 4.8' depth fibrous glass reinforced, motor propelled, totally enclosed "Brucker" capsule, 28 pers cap.

160.035/480/3 Model CA2801, 14.0' diameter x 4.8' depth fibrous glass reinforced plastic motor propelled.

160.035/483/1 Model CA5001, 19.75' x 14.0' x 5.12' fibrous glass reinforced plastic, motor propelled.

160.035/486/0 Model 5003, 19.75' x 14.0' x 5.12' fibrous glass reinforced plastic, motor propelled, totally enclosed survival capsule.

Tregoning Industries, Inc., P.O. Box 151, Alderwood Manor, WA 98036

160.035/82/0 12.0' x 5.0' x 2.25' steel, oar propelled, 8 person.

160.035/83/0 26.0' x 8.5' x 3.825' steel, motor propelled, with radio cabin, 40 person.

160.035/84/0 26.0' x 8.5' x 3.825' steel, motor propelled, with radio cabin, 40 person.

160.035/149/0 22.0' x 7.5' x 3.15' steel, oar propelled, 31 person.

160.035/150/0 26.0' x 8.5' x 3.825' steel, oar propelled, 50 person.

160.035/170/0 16' x 5.6' x 2.35' steel, oar propelled, 12 person.

160.035/175/0 12' x 4.5' x 1.85' steel, oar propelled, Type OMS, 6 person.

160.035/202/0 28.0' x 10.0' x 4.0' steel, hand propelled, 66 person.

160.035/205/0 24' x 8' x 3.6' steel, oar propelled, 41 person.

160.035/206/0 18.0 ft x 6.6 ft x 2.7 ft, steel, oar-propelled lifeboat, Type OMS, 18 person capacity.

160.035/207/0 20.0' x 6.8' x 2.9' steel, oar propelled, Type OMD, 23 person.

160.035/215/0 20.0' x 6.8' x 2.9' steel, motor propelled, without radio cabin, 21 person.

160.035/259/0 24.1' x 7.4' x 2.81' steel, oar propelled, 30 person.

Welin Boat and Davit Division, Lake Shore, Inc., Iron Mountain, MI 49801

160.035/30/0 31.0' x 10.5' x 4.33' steel, motor propelled, without radio cabin, 84 person.

160.035/31/2 12.0' x 4.42' x 1.92' steel, oar propelled, 6 person.

160.035/32/2 18.0' x 6.25' x 2.75' aluminum, oar propelled, 18 person.

160.035/33/1 18.0' x 6.5' x 2.6' steel, oar propelled, 18 person.

160.035/34/2 18.0' x 5.75' x 2.42' steel, oar propelled, 15 person.

160.035/35/2 18.0' x 5.83' x 2.58' steel, oar propelled, 16 person.

160.035/36/0 20.0' x 6.0' x 2.67' wood, oar propelled, 19 person.

160.035/37/1 22.0' x 7.5' x 3.17' steel, motor propelled, without radio cabin (Class B), 28 person.

160.035/39/3 24.0' x 8.0' x 3.58' steel, motor propelled, without radio cabin (Class B), independent air tanks, 37 person.

160.035/40/0 24.0' x 8.0' x 3.58' steel, motor propelled, without radio cabin, 36 person.

FORMERLY APPROVED LIFESAVING EQUIPMENT

- 160.035/41/2 24.0' x 8.0' x 3.58' steel, oar propelled, 40 person.
- 160.035/42/0 24.0' x 8.0' x 3.58' steel, motor propelled, with radio cabin, 35 person.
- 160.035/43/0 24.0' x 8.0' x 3.73' steel, oar propelled, independent air tanks, 40 person.
- 160.035/44/0 24.0' x 8.0' x 3.73' steel, motor propelled, without radio cabin, independent air tanks, 37 person.
- 160.035/45/0 24.0' x 8.0' x 3.73' steel, motor propelled, without radio cabin, built-in air tanks, 36 person.
- 160.035/46/0 36.5' x 11.75' x 5.25' aluminum, motor propelled, with radio cabin, 130 person.
- 160.035/47/5 24.0' x 8.0' x 3.73' steel, oar propelled, built-in air tanks, 40 person.
- 160.035/48/0 24.0' x 8.0' x 3.33' steel, oar propelled T bar keel, 38 person.
- 160.035/49/0 24.0' x 8.0' x 3.33' steel, motor propelled, without radio cabin, 36 person.
- 160.035/50/1 24.0' x 8.63' x 3.88' aluminum, motor propelled, without radio cabin (Class B), 43 person.
- 160.035/51/0 26.0' x 9.0' x 3.67' steel, motor propelled, without radio cabin, 46 person.
- 160.035/52/1 26.0' x 9.0' x 3.67' steel, oar propelled, 50 person.
- 160.035/53/1 26.0' x 9.0' x 3.83' aluminum, oar propelled, 53 person.
- 160.035/54/2 26' x 8.3' x 3.6' aluminum, oar-propelled, 49-person capacity.
- 160.035/55/0 26.0' x 8.3' x 3.6' aluminum, motor propelled, with radio cabin, 40 person.
- 160.035/56/0 26.0' x 8.3' x 3.6' steel, motor propelled, with radio cabin, 39 person.
- 160.035/57/0 26.0' x 8.3' x 3.6' steel, motor propelled, without radio cabin, 43 person.
- 160.035/58/0 28.0' x 9.79' x 4.13' aluminum, hand propelled, built-in air tanks, 75 person.
- 160.035/59/2 28.0' x 9.79' x 4.13' steel, motor propelled, without radio cabin (Class B), 64 person.
- 160.035/60/0 28.0' x 9.0' x 3.96' steel, motor propelled, with radio cabin, 48 person.
- 160.035/61/0 28.0' x 9.0' x 3.96' aluminum, motor propelled, without radio cabin, built-in air tanks, 54 person.
- 160.035/62/0 28.0' x 9.0' x 3.96' aluminum, oar propelled, built-in air tanks, 59 person.
- 160.035/63/2 31.0' x 11.25' x 4.5' steel, motor propelled, without radio cabin (Class B), 83 person.
- 160.035/64/2 31.0' x 11.25' x 4.5' steel, hand propelled, 90 person.
- 160.035/65/0 33.5' x 11.75' x 4.87' aluminum, motor propelled, with radio cabin, 109 person.
- 160.035/66/1 36.5' x 11.75' x 5.25' aluminum, hand propelled, 135 person.
- 160.035/135/0 30.0' x 10.0' x 4.13' steel, motor propelled, with radio cabin, 64 person.
- 160.035/146/0 30.0' x 10.0' x 4.13' steel, motor propelled, without radio cabin, 68 person.
- 160.035/147/1 26.0' x 9.0' x 3.83' aluminum, hand propelled, 53 person.
- 160.035/148/2 16.0' x 5.5' x 2.38' steel, oar propelled, 12 person.
- 160.035/151/0 30.0' x 10.0' x 4.13' aluminum, hand propelled, with radio cabin, 75 person.
- 160.035/152/1 30.0' x 9.67' x 4.17' aluminum, hand propelled, 65 person.
- 160.035/153/0 30.0' x 10.0' x 4.13' aluminum, hand propelled, 83 person.
- 160.035/154/0 30.0' x 10.25' x 3.5' steel, hand propelled, 76 person.
- 160.035/157/0 35.0' x 12.33' x 5.25' steel, motor propelled, without radio cabin 135 person.
- 160.035/167/0 16.0' x 5.1' x 2.08' steel, oar propelled, for other than ocean and coastwise service, 10 person.
- 160.035/168/1 14.0' x 5.0' x 2.17' steel, oar propelled, 9 person.
- 160.035/169/1 26.0' x 9.0' x 3.83' aluminum, motor propelled with radio cabin, 43 person.
- 160.035/172/0 30.67' x 10.17' x 4.25' steel, motor propelled, with radio cabin, 60 person.
- 160.035/173/1 30' x 10.0' x 4.13' steel, hand propelled, 72 person.
- 160.035/177/0 31.0' x 11.25' x 4.5' steel, motor propelled, with radio cabin, 74 person.
- 160.035/179/2 20.0' x 6.5' x 2.67' steel, oar propelled, 20 person.
- 160.035/180/2 20' x 6.5' x 2.75' steel, oar propelled, 21 person.
- 160.035/181/2 22.0' x 7.5' x 3.17' steel, oar propelled, 31 person.
- 160.035/182/0 22.0' x 6.5' x 2.83' steel, oar propelled, 24 person.
- 160.035/183/2 22.0' x 6.75' x 2.92' steel, oar propelled, 25 person.
- 160.035/184/2 24.0' x 7.75' x 3.33' steel, oar propelled, 37 person.
- 160.035/185/1 26.0' x 8.3' x 3.6' steel, oar propelled, 46 person.
- 160.035/187/2 26.0' x 9.0' x 3.83' steel, oar propelled, 53 person.
- 160.035/189/2 28.0' x 9.0' x 3.96' steel, oar propelled, 59 person.
- 160.035/191/2 28.0' x 9.79' x 4.13' steel, hand propelled, 68 person.
- 160.035/194/2 35.0' x 12.33' x 5.25' steel, hand propelled, 135 person.

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160.035/195/0 35.0' x 12.33' x 5.25' steel, motor propelled with radio cabin, 130 person.
 160.035/196/1 30.67' x 10.17' x 4.25' steel, hand propelled, 78 person.
 160.035/199/1 26.0' x 9.0' x 3.83' steel, hand propelled, 53 person.
 160.035/200/0 26.0' x 9' x 3.83' steel, motor propelled, with radio cabin, 43 person.
 160.035/201/2 24.0' x 7.75' x 3.33' steel, hand propelled, 37 person.
 160.035/209/0 33.5' x 11.75' x 4.88' steel, hand propelled, 100 person.
 160.035/220/1 26.0' x 9.0' x 3.83' aluminum, motor propelled without radio cabin, 48 person.
 160.035/233/0 12.0' x 4.42' x 1.92' aluminum, oar propelled, 6 person.
 160.035/234/0 24.0' x 7.0' x 3.0' steel, oar propelled, 30 person.
 160.035/235/0 30.0' x 10.0' x 4.13' steel, hand propelled, 84 person.
 160.035/237/0 31.0' x 10.5' x 4.33' steel, hand propelled, 82 person.
 160.035/240/0 16.0' x 5.75' x 2.38' steel, oar propelled, 13 person.
 160.035/248/1 26.6' x 7.88' x 3.35' steel, oar propelled, 41 person.
 160.035/249/0 14.0' x 5.29' x 2.17' steel, oar propelled, 9 person.
 160.035/250/0 14.0' x 5.29' x 2.17' aluminum, square stern, oar propelled, 9 person.
 160.035/253/0 28.0' x 9.79' x 4.13' steel, hand propelled, 75 person.
 160.035/261/2 24.0' x 7.75' x 3.33' aluminum, oar propelled, 37 person.
 160.035/264/1 28.0' x 9.0' x 3.96' aluminum, oar propelled, 59 person.
 160.035/265/1 24.0' x 8.0' x 3.35' aluminum, oar propelled, 40 person.
 160.035/266/0 26.0' x 7.88' x 3.35' aluminum, oar propelled, 41 person.
 160.035/267/0 12.0' x 4.42' x 1.92' steel, square stern, oar propelled, 6 person.
 160.035/268/0 36.0' x 12.33' x 5.25' aluminum, hand propelled, 140 person.
 160.035/269/0 36.0' x 12.33' x 5.25' aluminum, motor propelled with radio cabin 133 person.
 160.035/273/0 24.0' x 7.75' x 3.58' aluminum, motor propelled without radio cabin (Class B), 30 person.
 160.035/276/1 26.0' x 7.88' x 3.35' aluminum, oar propelled, 41 person.
 160.035/278/0 30.0' x 10.0' x 4.13' aluminum, hand propelled, 70 person.
 160.035/287/1 28.0' x 9.0' x 4.0' steel, hand propelled, 60 person.
 160.035/303/1 24.0' x 7.75' x 3.33' aluminum, hand propelled, 37 person.
 160.035/307/1 16.0' x 5.5' x 2.38' aluminum, oar propelled, 12 person.
 160.035/308/1 22.0' x 7.5' x 3.17' steel, hand propelled, 31 person.
 160.035/312/0 22.0' x 7.5' x 3.17' aluminum, oar propelled, 31 person.
 160.035/313/1 26.0' x 9.0' x 3.83' aluminum, motor propelled with radio cabin (Class A), 43 person.
 160.035/315/0 28.0' x 9.0' x 4.0' steel, motor propelled without radio cabin (Class B), 50 person.
 160.035/316/2 24.0' cabin (Class B), 35 person.
 160.035/325/0 30.67' x 10.17' x 4.25' aluminum, hand propelled, 78 person.
 160.035/340/0 30.67' x 10.17' x 4.25' steel, hand propelled, 78 person.
 160.035/345/0 26.0' x 8.3' x 3.6' steel, hand propelled, 46 person.
 160.035/352/0 28.0' x 9.79' x 4.13' aluminum, motor propelled without radio cabin (Class B), 60 person.
 160.035/353/0 37.0' x 13.0' x 5.33' aluminum, motor propelled with radio cabin (Class A), 142 person.
 160.035/354/0 37.0' x 13.0' x 5.33' aluminum, hand propelled, 150 person.
 160.035/359/0 30.0' x 10.0' x 4.13' aluminum, hand propelled, 83 person.
 160.035/361/0 30.0' x 10.0' x 4.13' aluminum, hand propelled, 83 person.
 160.035/362/0 24.0' x 7.75' x 3.33' steel, hand propelled, 40 person.
 160.035/364/0 30.0' x 10.0' x 4.13' aluminum, motor propelled with radio cabin (Class A), 63 person.
 160.035/365/0 37.0' x 13.0' x 5.33' steel, hand propelled, 150 person.
 160.035/366/0 37.0' x 13.0' x 5.33' steel, motor propelled with radio cabin (Class A), 142 person.
 160.035/367/0 24.0' x 7.0' x 3.0' aluminum, oar propelled, 30 person.
 160.035/374/0 14.0' x 5.0' x 2.17' aluminum, oar propelled, 9 person.
 160.035/375/0 24.0' x 8.0' x 3.5' fibrous glass reinforced plastic, oar propelled, 40 person.
 160.035/377/0 33.5' x 11.75' x 4.88' aluminum, hand propelled, 110 person.
 160.035/380/0 24.0' x 8.0' x 3.58' aluminum, motor propelled without radio cabin (Class B), 38 person.
 160.035/383/0 24.0' x 8.63' x 3.88' steel, oar propelled, 47 person.
 160.035/385/0 24.0' x 8.63' x 3.88' aluminum, oar propelled, 47 person.

FORMERLY APPROVED LIFESAVING EQUIPMENT

- 160.035/393/0 28.0' x 9.0' x 4.0' aluminum, hand propelled 60 person.
 160.035/398/1 24.0' x 8.0' x 3.58' steel, oar propelled with removable interior, 40 person.
 160.035/400/0 28.0' x 9.0' x 4.0' aluminum, motor propelled with radio cabin (Class A), 50 person.
 160.035/402/0 22.0' x 7.5' x 3.17' steel, oar propelled with removable interior, 31 person.
 160.035/406/0 22.0' x 7.5' x 3.17' steel, hand propelled with removable interior, 31 person.
 160.035/407/0 33.0' x 10.0' x 4.33' aluminum, hand propelled with removable interior, 78 person.
 160.035/408/1 30.0' x 10.0' x 4.33' aluminum, motor propelled without radio cabin (Class B) with removable interior, 74 person.
 160.035/411/1 24.0' x 8.0' x 3.58' steel, hand propelled, with removable interior, 40 person.
 160.035/412/2 24.0' x 8.0' x 3.58' steel, motor propelled, with removable interior, without radio cabin (Class B), 37 person.
 160.035/416/1 30.0' x 10.0' x 4.33' fibrous glass reinforced plastic (FRP), hand propelled, 78 person.
 160.035/417/3 30.0' x 10.0' x 4.33' fibrous glass reinforced plastic (FRP), motor propelled, without radio cabin or searchlight, 74 person.
 160.035/418/0 16.0' x 5.5' x 2.38' steel, oar propelled, with removable interior, 12 person.
 160.035/419/0 26.0' x 7.88' x 3.55' fibrous glass reinforced plastic, oar propelled, 41 person.
 160.035/425/0 24.0' x 8.0' x 3.58' fibrous glass reinforced plastic, hand propelled, 40 person.
 160.035/428/3 24.0' x 8.0' x 3.58' fibrous glass reinforced plastic, motor propelled (Diesel) (Class B), 37 person.
 160.035/438/0 22.0' x 6.75' x 2.92' aluminum, oar propelled, with removable interior, 26 person.
 160.035/441/0 26.0' x 9.0' x 3.83' steel, motor propelled (Diesel, 6-knot) (Class B), 48 person.
 160.035/468/1 26.0' x 9.0' x 3.83' fibrous glass reinforced plastic (FRP), Class 1, motor propelled, 48 person capacity.
 160.035/470/0 26.0' x 9.0' x 3.83' fibrous glass reinforced plastic (FRP), 53 person capacity.
 160.035/476/1 26.0' x 9.0' x 3.83' fibrous glass reinforced plastic (FRP), totally enclosed (covered), motor, Class 1, 43 person.

160.036 SIGNALS, DISTRESS, HAND-HELD ROCKET-PROPELLED PARACHUTE RED FLARE

- Kilgore Corp., Bradford Road, Toone, TN 38381-0099
 160.036/4/1 Hand-Held red parachute flare.
 160.036/11/0 Model Proteus III hand held, rocket propelled.
 160.036/A13/0 Proteus III Hand Held Rocket Propelled Parachute Red Flare, 30,000 candela, 40 second burn time, 300 meter altitude.
 160.036/16/0 Proteus IV Hand Held Rocket Propelled Parachute Red Flare, 30,000 candela, 40 second burn time, 1,000 feet altitude.
 Pains-Wessex Ltd., High Post, Salisbury, Wiltshire SP4 6AS, United Kingdom
 160.036/5/0 Pains-Wessex Para Red Mk. 3 Hand Fired Rocket.
 160.036/6/0 Schermuly Para Red Mk. 3 Hand Fired Rocket.

160.037 SIGNALS, DISTRESS, HAND ORANGE SMOKE

- Kilgore Corp., Bradford Road, Toone, TN 38381-0099
 160.037/15/1 International hand held orange smoke distress signal.
 Orion Marine Signal Products, Div. Of Std. Fusee Corp., P. O. Box 107, Peru, IN 46970
 160.037/13/0 Bristol Marine hand orange smoke distress signal.
 160.037/14/0 Kilgore International hand orange smoke distress signal.
 160.037/A20/0 Hand held orange smoke distress signal.
 Standard Railway Fusee Corp., P.O. Box 178, Boonton, NJ 07005
 160.037/12/1 Bristol marine hand held orange smoke distress signal.

EQUIPMENT LISTS

160.040 LINE-THROWING APPLIANCES, IMPULSE-PROJECTED ROCKET TYPE (AND EQUIPMENT)

Kilgore Corp., Bradford Road, Toone, TN 38381-0099
 160.040/1/5 Model GR-52-A.
 160.040/3/0 Model GR-52-A2.
 160.040/4/1 Kilgore Line Throwing Appliance, Model GR-52-A2.
 160.040/5/1 Kilgore-Paine-Wessex Lifeline, Rocket and 12 ga. cartridge.
 160.040/8/0 Kilgore rocket propelled line throwing device-Kilgore Model "Lifeline 750".
 Smith & Wesson Chemical Co., 2399 Foreman Rd., P.O. Box 208, Rock Creek, OH 44084
 160.040/2/2 International.

160.041 KITS, FIRST AID (FOR LIFEBOATS)

A. E. Halperin Co., Inc., 716 Columbus Ave., Roxbury, MA 02116
 160.041/4/0 Model H-24.
 160.041/7/0 Model H-24-A.
 E. D. Ballard Co., 2680 Bridgway, Sausalito, CA 94965
 160.041/1/0 Model M2.
 Marion Laboratories, Inc., Pharmaceutical Div., Kansas City, MO 64137
 160.041/8/0 Model 600 M.
 Mine Safety Appliances Co., 3880 Meadowbrook Rd., Murrysville, PA 15668
 160.041/5/0 Model G-12.
 Pac-Kit Safety Equipment Division, K. W. Griffin Co., 100 Pearl St., Norwalk, CT 07850
 160.041/6/0 Model No. 24 L.B.

160.043 JACKKNIFE (WITH CAN OPENER)

Imperial Knife Co., Inc., Imperial Place, Providence, RI 02903
 160.043/2/0 No. 850 jackknife (with can opener).

160.044 PUMPS, LIFEBOAT BILGE

Blackmer Bilge Pump, Grand Rapids, MI 49501
 160.044/11/1 Size No. 2.
 Denning Co., Salem, OH 44460
 160.044/7/0 Size No. 2.
 Tap-Rite Products Div., Vending Components, Inc., 204 Railroad Ave., Hackensack, NJ 07601
 160.044/3/1 Size No. 1.
 160.044/4/1 Size No. 2.
 160.044/5/1 Size No. 3.
 Welin Boat and Davit Division, Lake Shore, Inc., Iron Mountain, MI 49801
 160.044/8/1 Size No. 2.
 160.044/10/1 Size No. 3.
 160.044/12/1 Size No. 1.

160.046 EMERGENCY PROVISIONS

Rubber Fabricators, Inc., P.O. Box 248, Apex, NC 27502
 160.046/11/0 Emergency Provisions for lifeboats & liferafts in hermetically sealed foil laminate package.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Survivor Industries, Inc., 2551 Azarite Circle, Newbury Park, CA 91320

160.046/14/0 Emergency Provisions for liferaft and lifeboats in hermetically sealed foil laminate package.

160.047 BUOYANT VESTS, TYPE II PFDs, KAPOK OR FIBROUS GLASS

Acme Products, Inc., 152 Brewery St., New Haven, CT 06511

160.047/70/0 Model AK, adult.

160.047/71/0 Model CKM, child.

160.047/72/0 Model CKS, child.

160.047/454/0 Type I, Model AK-1, adult.

160.047/455/0 Type I, Model CKM-1, child.

160.047/456/0 Type I, Model CKS-1, child.

Aimco Wholesale Corp., 1440 Broadway, New York, NY 10018

160.047/375/0 Type I, Model AK-1, adult.

160.047/376/0 Type I, Model CKM-1, child.

160.047/377/0 Type I, Model CKS-1, child.

160.047/538/0 Type I, Model AK-1, adult.

160.047/539/0 Type I, Model CKM-1, child.

160.047/540/0 Type I, Model CKS-1, child.

Allgood Products Company, 824 West Eighth St., Little Rock, AR 72201

160.047/244/0 Model AK, adult.

160.047/245/0 Model CKM, child.

160.047/246/0 Model CKS, child.

160.047/423/0 Type I, Model AK-1, adult.

160.047/424/0 Type I, Model CKM-1, child.

160.047/425/0 Type I, Model CKS-1, child.

American Cover Co., Inc., 8815-25 South Avalon Blvd., Los Angeles, CA 90003

160.047/532/0 Type I, Model AK-1, adult.

160.047/533/0 Type I, Model CKM-1, child.

160.047/534/0 Type I, Model CKS-1, child.

American Pad and Textile Co., Greenfield, OH 45123

160.047/7/0 Model AK, adult.

160.047/8/0 Model CKM, child.

160.047/9/0 Model CKS, child.

American Recreation Products, 4949 Joseph Hardin Drive, Dallas, TX 75236

160.047/544/0 Type II PFD, Model AK-1 adult.

160.047/545/0 Type II PFD, Model CKM-1 child.

160.047/546/0 Type II PFD, Model CKS-1 child.

Arthur Fulmer Co., 260 Monroe Ave., Memphis, TN 38103

160.047/487/0 Type I, Model AK-1, adult.

160.047/488/0 Type I, Model CKM-1, child.

160.047/489/0 Type I, Model CKS-1, child.

Associated Merchandising Corp., 1440 Broadway, New York, NY 10018

160.047/280/0 Model AK, adult.

160.047/281/0 Model CKM, child.

160.047/282/0 Model CKS, child.

Associated Plastics, Inc., 2315 East Olympic Blvd., Los Angeles, CA 90021

160.047/127/0 Model AK, adult.

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160.047/128/0 Model CKM, child.
160.047/129/0 Model CKS, child.

Atlantic Pacific Mfg. Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104

160.047/1/0 Model AK, adult.
160.047/2/0 Model CKM, child.
160.047/3/0 Model CKS, child.
160.047/4/0 Model AF, child.
160.047/5/0 Model CFM, child.
160.047/6/0 Model CFS, child.
160.047/324/0 Type II Kapok Buoyant Vest, Adult, Model AK-1.
160.047/325/0 Type II Kapok Buoyant Vest, Child Medium (50 to 90 lb.), Model CKM-1.
160.047/326/0 Type II Kapok Buoyant Vest, Child Small (under 50 lb.), Model CKS-1.

Atlas Products, 2459 University Ave., St. Paul, MN 55114

160.047/55/0 Model CKS, child.
160.047/65/0 Model CKM, child.
160.047/66/0 Model AK, adult.
160.047/345/0 Type I, Model AK-1, adult.
160.047/346/0 Type I, Model CKM-1, child.
160.047/347/0 Type I, Model CKS-1, child.

B. T. Crump Co., Inc., 1310-34 East Franklin St., Richmond, VA 23213

160.047/190/0 Model AK, adult.
160.047/191/0 Model CKM, child.
160.047/192/0 Model CKS, child.

Badgley Manufacturing Co., 1727 North Benton, Portland, OR 97227

160.047/184/0 Model AK, adult.
160.047/185/0 Model CKM, child.
160.047/186/0 Model CKS, child.
160.047/360/0 Type I, Model AK-1, adult.
160.047/361/0 Type I, Model CKM-1, child.
160.047/362/0 Type I, Model CKS-1, child.

Beck & Gregg Hardware Co., 217 Luckie St., P.O. Box 984, Atlanta, GA 30301

160.047/472/0 Type I, Model AK-1, adult.
160.047/473/0 Type I, Model CKM-1, child.
160.047/474/0 Type I, Model CKS-1, child.

Bellknap, Inc., P.O. Box 28, Louisville, KY 40201

160.047/556/0 Type II PFD, Model AK-1, adult.
160.047/557/0 Type II PFD, Model CKM-1, child.
160.047/558/0 Type II PFD, Model CKS-1, child.
160.047/650/0 Model AK-1, adult.
160.047/651/0 Model CKM-1, child medium.
160.047/652/0 Model CKS-1, child small.

Ben-Sun Products Corp., 70 South Railroad St., New London, OH 44851

160.047/89/0 Model AK, adult.
160.047/90/0 Model CKM, child.
160.047/91/0 Model CKS, child.

Billy Boy Products Div., 144 South Main Street, Montgomery, MI 49255

160.047/43/0 Model AK, adult.

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160.047/44/0 Model CKM, child.
 160.047/45/0 Model CKS, child.
 160.047/357/0 Model AK-1, adult.
 160.047/358/0 Model CKM-1, child medium.
 160.047/359/0 Model CKS-1, child small.

Biltmore Manufacturing Co., 1501 Freeman Ave., Cincinnati, OH 45214

160.047/202/0 Model AK adult.
 160.047/203/0 Model CKM child.
 160.047/204/0 Model CKS child.

Bob Erath Co., 603 East Washington St., South Bend, IN 46622

160.047/208/0 Model AK, adult.
 160.047/209/0 Model CKM, child.
 160.047/210/0 Model CKS, child.
 160.047/484/0 Type I, Model AK-1, adult.
 160.047/485/0 Type I, Model CKM-1, child.
 160.047/486/0 Type I, Model CKS-1, child.
 160.047/517/0 Type I, Model AK-1, adult.
 160.047/518/0 Type I, Model CKM-1, child.
 160.047/519/0 Type I, Model CKS-1, child.

Boston Camping Distributor Co., 150 Oliver St., Boston, MA 02110

160.047/112/0 Model AK, adult.
 160.047/113/0 Model CKM, child.
 160.047/114/0 Model CKS, child.
 160.047/187/0 Model AK, adult.
 160.047/188/0 Model CKM, child.
 160.047/189/0 Model CKS, child.

Bottom Dollar Industries, Inc., 715 Izard St., Little Rock, AR 72201

160.047/241/0 Model AK, adult.
 160.047/242/0 Model CKM, child.
 160.047/243/0 Model CKS, child.
 160.047/420/0 Type I, Model AK-1, adult.
 160.047/421/0 Type I, Model CKM-1, child.
 160.047/422/0 Type I, Model CKS-1, child.

Bowman Manufacturers, Inc., 1823 Woodrow, Little Rock, AR 72205

160.047/106/0 Model AK, adult.
 160.047/107/0 Model CKM, child.
 160.047/108/0 Model CKS, child.

Bowman Products Div., Associated Spring Corp., 850 East 72nd St., Cleveland, OH 44103

160.047/499/0 Type I, Model AK-1, adult.
 160.047/500/0 Type I, Model CKM-1, child.
 160.047/501/0 Type I, Model CKS-1, child.
 160.047/535/0 Type I, Model AK, adult.
 160.047/536/0 Type I, Model CKM, child.
 160.047/537/0 Type I, Model CKS, child.

Boy Scouts of America, Supply Div., 1325 Walnut Hill Lane, P.O. Box 152079, Irving, TX 75015-2079

160.047/631/0 Type I, Model AK-1, adult.

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Boyce Manufacturing Co., Acworth, GA 30101
160.047/583/0 Type I, Model AK-1, adult.
160.047/584/0 Type I, Model CKM-1, child.
160.047/585/0 Type I, Model CKS-1, child.

Brunswick Corp., Consumer Division, Eminence, KY 40019
160.047/318/0 Type I, Model AK-1, adult.
160.047/319/0 Type I, Model CKM-1, child.
160.047/320/0 Type I, Model CKM-1, child.

Bulldog Marine Products, Inc., 5825 South Western Ave., Chicago, IL 60636
160.047/466/0 Type I, Model AK-1, adult.
160.047/467/0 Type I, Model CKM-1, child.
160.047/468/0 Type I, Model CKS-1, child.

Burlington Mills, Inc., Burlington, WI 53105
160.047/136/0 Model AK, adult.
160.047/137/0 Model CKM, child.
160.047/138/0 Model CKS, child.
160.047/336/0 Type I, Model AK-1, adult.
160.047/337/0 Type I, Model CKM-1, child.
160.047/338/0 Type I, Model CKS-1, child.

Campco Ventures, Inc., Div. of American Recreation, 1891 Woolner Ave., Fairfield, CA 94533
160.047/300/0 Type II PFD, Model AK-1, adult.
160.047/301/0 Type II PFD, Model CKM-1, child.
160.047/302/0 Type II PFD, Model CKS-1, child.

Canvas Specialty Manufacturing Co., 7344 East Bandini Blvd., Los Angeles, CA 90022
160.047/256/0 Model AK, adult.
160.047/257/0 Model CKM, child.
160.047/258/0 Model CKS, child.
160.047/372/0 Type I, Model AK-1, adult.
160.047/373/0 Type I, Model CKM-1, child.
160.047/374/0 Type I, Model CKS-1, child.

Coast to Coast Stores, Central Organization, 7500 Excelsior Blvd., Minneapolis, MN 55426
160.047/223/0 Model AK, adult.
160.047/224/0 Model CKM, child.
160.047/225/0 Model CKS, child.
160.047/402/0 Type I, Model AK-1, adult.
160.047/403/0 Type I, Model CKM-1, child.
160.047/404/0 Type I, Model CKS-1, child.
160.047/565/0 Type II, Model AK-1, adult.
160.047/566/0 Type II, Model CKM-1, child.
160.047/567/0 Type II, Model CKS-1, child.

Cossitt & Co., 308 West Chestnut St., Burlington, WI 53105
160.047/598/0 Type I, Model AK-1, adult.
160.047/599/0 Type I, Model CKM-1, child.
160.047/600/0 Type I, Model CKS-1, child.

Crawford Manufacturing Co., Inc., Third & Decatur Streets, Richmond, VA 23212
160.047/92/0 Type II Kapok Buoyant Vest, Adult, Model AK.
160.047/93/0 Type II Kapok Buoyant Vest, Child Medium (50 to 90 lb.), Model CKM.

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.047/94/0 Type II Kapok Buoyant Vest, Child Small (under 50 lb.), Model CKS.
 160.047/330/0 Type II Kapok Buoyant Vest, Adult, Model AK-1.
 160.047/331/0 Type II Kapok Buoyant Vest, Child Medium (50 to 90 lb.), Model CKM-1.
 160.047/332/0 Type II Kapok Buoyant Vest, Child Small (under 50 lb.), Model CKS-1.

Dennison Co., 200 Waverly Ave., Newark, NJ 07108

160.047/118/0 Model AK, adult.
 160.047/119/0 Model CKM, child.
 160.047/120/0 Model CKS, child.

Drybak Co., Eminence, KY 40019

160.047/505/0 Type I, Model AK-1, adult.
 160.047/506/0 Type I, Model CKM-1, child.
 160.047/507/0 Type I, Model CKS-1, child.
 160.047/610/0 Type I, Model AK-1, adult.
 160.047/611/0 Type I, Model CKM-1, child.
 160.047/612/0 Type I, Model CKS-1, child.

Ebsco Industries, Inc., First Ave. North at 13th St., Birmingham, AL 35203

160.047/396/0 Type I, Model AK-1, adult.
 160.047/397/0 Type I, Model CKM-1, child.
 160.047/398/0 Type I, Model CKS-1, child.

Elvin Salow Co., 15 East St., Boston, MA 02211

160.047/26/0 Model AK, adult.
 160.047/27/0 Model CKM, child.
 160.047/28/0 Model CKS, child.
 160.047/354/0 Type I, Model AK-1, adult.
 160.047/355/0 Type I, Model CKM-1, child.
 160.047/356/0 Type I, Model CKS-1, child.
 160.047/638/0 Type II, Ad. Univ., Model AK-1.
 160.047/639/0 Type II, C-M, Model CKM-1.
 160.047/640/0 Type II, C-S, Model CKS-1.

Empire Athletic Supply Co., Inc., 443-45 Broadway, New York, NY 10013

160.047/159/0 Model AK, adult.
 160.047/160/0 Model CKM, child.
 160.047/161/0 Model CKS, child.

Ero Industries, Inc., 8130 North Lehigh Avenue, Morton Grove, IL 60053-2614

160.047/342/0 Type II Kapok Buoyant Vest, Adult, Model AK-1.
 160.047/343/0 Type II Kapok Buoyant Vest, Child Medium (50 to 90 lb.), Model CKM-1.
 160.047/344/0 Type II Kapok Buoyant Vest, Child Small (under 50 lb.), Model CKS-1.
 160.047/653/0 Type II Buoyant Vest, Adult, Model 203.
 160.047/655/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model 207.

Farber Brothers, Inc., 1324 Farnville Rd., Memphis, TN 38122

160.047/613/0 Type II PFD, Model AK-1, adult.
 160.047/614/0 Type II PFD, Model CKM-1, child med.
 160.047/615/0 Type II PFD, Model CKS-1, child small.

Firestone Tire & Rubber Co., Akron, OH 44317

160.047/51/0 Model AK, adult.
 160.047/101/0 Model CKM, child.
 160.047/102/0 Model CKS, child.

EQUIPMENT LISTS

160.047/432/0 Type I, Model AK-1, adult.
160.047/433/0 Type I, Model CKM-1, child.
160.047/434/0 Type I, Model CKS-1, child.
160.047/457/0 Type I, Model AK-1, adult.
160.047/458/0 Type I, Model CKM-1, child.
160.047/459/0 Type I, Model CKS-1, child.

Flote-Rite Corp., Eighth & Spring Garden St., Philadelphia, PA 19123
160.047/165/0 Model AK, adult.
160.047/166/0 Model CKM, child.
160.047/167/0 Model CKS, child.

Gamble-Skogmo, Inc., 15 North Eighth Street, Minneapolis, MN 55403
160.047/67/0 Model CKS, child.
160.047/68/0 Model CKM, child.
160.047/69/0 Model AK, adult.
160.047/481/0 Type I, Model AK-1, adult.
160.047/482/0 Type I, Model CKM-1, child.
160.047/483/0 Type I, Model CKS-1, child.

Gem Manufacturing Co., 1 Roosevelt Ave., Clifton, NJ 07011
160.047/141/0 Model AK, adult.
160.047/142/0 Model CKM, child.
160.047/143/0 Model CKS, child.

Grand Novelty Hassock Co., Inc., 279-81 State St., Brooklyn, NY 11201
160.047/268/0 Model AK, adult.
160.047/269/0 Model CKM, child.
160.047/270/0 Model CKS, child.

Grand Rapids Manufacturing Co., 420 Alabama Ave. NW, Grand Rapids, MI 49504
160.047/408/0 Type I, Model AK-1, adult.
160.047/409/0 Type I, Model CKM-1, child.
160.047/410/0 Type I, Model CKS-1, child.

Gunn Co., 652 Turner Avenue NW, Grand Rapids, MI 49504
160.047/205/0 Model AK, adult.
160.047/206/0 Model CKM, child.
160.047/207/0 Model CKS, child.

H. N. Gilman and Associates, Inc., 2010 Nicollet Ave., Minneapolis, MN 55404
160.047/147/0 Model AK, adult.
160.047/148/0 Model CKM, child.
160.047/149/0 Model CKS, child.

H. Wenzel Tent and Duck Co., 2200 South Hanley Rd., St. Louis, MO 63144
160.047/526/0 Type I, Model AK-1, adult.
160.047/527/0 Type I, Model CKM-1, child.
160.047/528/0 Type I, Model CKS-1, child.

Harry Miller Co., 244 Atlantic Ave., Boston, MA 02110
160.047/115/0 Model AK, adult.
160.047/116/0 Model CKM, child.
160.047/117/0 Model CKS, child.
160.047/181/0 Model AK, adult.
160.047/182/0 Model CKM, child.

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.047/183/0 Model CKS, child.
 160.047/496/0 Type I, Model AK, adult.
 160.047/497/0 Type I, Model CKM, child.
 160.047/498/0 Type I, Model CKS, child.

Hawkeye Sporting Goods Co., P.O. Box 613, Des Moines, IA 50302

160.047/24/0 Model AK, adult.
 160.047/32/0 Model CKM, child.
 160.047/34/0 Model CKS, child.
 160.047/306/0 Type I, Model AK, adult.
 160.047/307/0 Type I, Model CKM-1, child.
 160.047/308/0 Type I, Model CKS-1, child.

Herter's Inc., Waseca, MN 56093

160.047/95/0 Model AK, adult.
 160.047/96/0 Model CKM, child.
 160.047/97/0 Model CKS, child.
 160.047/199/0 Model AK, adult.
 160.047/200/0 Model CKM, child.
 160.047/201/0 Model CKS, child.
 160.047/214/0 Model AK, child.
 160.047/215/0 Model CKM, child.
 160.047/216/0 Model CKS, child.
 160.047/277/0 Model AK, adult.
 160.047/278/0 Model CKM, child.
 160.047/279/0 Model CKS, child.
 160.047/283/0 Model AK, adult.
 160.047/284/0 Model CKM, child.
 160.047/285/0 Model CKS, child.
 160.047/399/0 Type I, Model AK-1, adult.
 160.047/400/0 Type I, Model CKM-1, child.
 160.047/401/0 Type I, Model CKS-1, child.
 160.047/426/0 Type I, Model AK-1, adult.
 160.047/427/0 Type I, Model CKM-1, child.
 160.047/428/0 Type I, Model CKS-1, child.
 160.047/511/0 Type I, Model AK-1, adult.
 160.047/512/0 Type I, Model CKM-1, child.
 160.047/513/0 Type I, Model CKS-1, child.
 160.047/592/0 Type I, Model AK-1, adult.
 160.047/593/0 Type I, Model CKM-1, child.
 160.047/594/0 Type I, Model CKS-1, child.

Hetrick Manufacturing Co, 1401 Summit Street, Toledo, OH 43604

160.047/220/0 Model AK, child.
 160.047/221/0 Model CKM, child.
 160.047/222/0 Model CKS, child.
 160.047/451/0 Type I, Model AK-1, adult.
 160.047/452/0 Type I, Model CKM-1, child.
 160.047/453/0 Type I, Model CKS-1, child.

Holiday Line, Inc., 50 Washington St., Brooklyn, NY 11201

160.047/46/0 Model CKM, child.
 160.047/47/0 Model CKS, child.
 160.047/79/0 Model AK, child.

160.047/448/0 Type I, Model AK, adult.
 160.047/449/0 Type I, Model CKM, child.
 160.047/450/0 Type I, Model CKS, child.

Howard Zink Corp., Fremont, OH 43420

160.047/109/0 Model AK, adult.
 160.047/110/0 Model CKM, child.
 160.047/111/0 Model CKS, child.
 160.047/168/0 Model AK, adult.
 160.047/169/0 Model CKM, child.
 160.047/170/0 Model CKS, child.
 160.047/363/0 Type I, Model AK-1, adult.
 160.047/364/0 Type I, Model CKM-1, child.
 160.047/365/0 Type I, Model CKS-1, child.
 160.047/435/0 Type I, Model AK-1, adult.
 160.047/436/0 Type I, Model CKM-1, child.
 160.047/437/0 Type I, Model CKS-1, child.

Hunter Outdoor Products, Inc., 234 Union St., North Adams, MA 01247

160.047/628/0 Type II PFD, Model AK-1, adult.
 160.047/629/0 Type II PFD, Model CKM-1, child medium.
 160.047/630/0 Type II PFD, Model CKS-1, child small.

Hymat Co., Fremont, OH 43420

160.047/83/0 Model AK, adult.
 160.047/84/0 Model CKM, child.
 160.047/85/0 Model CKS, child.
 160.047/348/0 Type I, Model AK-1, adult.
 160.047/349/0 Type I, Model CKM-1, child.
 160.047/350/0 Type I, Model CKS-1, child.

Imperial Sports, 205 Belleville Ave., Bloomfield, CT 07003

160.047/133/0 Model AK, adult.
 160.047/134/0 Model CKM, child.
 160.047/135/0 Model CKS, child.
 160.047/508/0 Model AK-1, adult.
 160.047/509/0 Type I, Model CKM-1, child.
 160.047/510/0 Type I, Model CKS-1, child.

International Cushion Co., 1110 NE Eighth Ave., Ft. Lauderdale, FL 33311

160.047/62/0 Model AK, adult.
 160.047/63/0 Model CKM, child.
 160.047/64/0 Model CKS, child.
 160.047/417/0 Type I, Model AK-1, adult.
 160.047/418/0 Type I, Model CKM-1, child.
 160.047/419/0 Type I, Model CKS-1, child.

Iowa Fiber Products, Inc., 316 Court Ave., Des Moines, IA 50309

160.047/25/0 Model AK, adult.
 160.047/31/0 Model CKM, child.
 160.047/33/0 Model CKS, child.
 160.047/303/0 Type I, Model AK-1, adult.
 160.047/304/0 Type I, Model CKM-1, child.
 160.047/305/0 Type I, Model CKS-1, child.

FORMERLY APPROVED LIFESAVING EQUIPMENT

J. C. Penney Co., Inc., 1301 Ave. of the Americas, New York, NY 10019

- 160.047/571/0 Type I, Model AK-1, adult.
- 160.047/572/0 Type I, Model CKM-1, child.
- 160.047/573/0 Type I, Model CKS-1, child.
- 160.047/604/0 Type I, Model AK-1, adult.
- 160.047/605/0 Type I, Model CKM-1, child.
- 160.047/606/0 Type I, Model CKS-1, child.
- 160.047/622/0 Type I, Model AK-1, adult.
- 160.047/623/0 Type I, Model CKM-1, child.
- 160.047/624/0 Type I, Model CKS-1, child.

James Bliss & Co., 342 Atlantic Ave., Boston, MA 02110

- 160.047/124/0 Model AK, adult.
- 160.047/125/0 Model CKM, child.
- 160.047/126/0 Model CKS, child.
- 160.047/616/0 Type I, Model AK-1, adult.
- 160.047/617/0 Type I, Model CKM-1, child.
- 160.047/618/0 Type I, Model CKS-1, child.

Jay Marine Products Div., Fairyland Toy Co., 1900 Central Ave., Minneapolis, MN 55418

- 160.047/274/0 Model AK, adult.
- 160.047/275/0 Model CKM, child.
- 160.047/276/0 Model CKS, child.
- 160.047/369/0 Type I, Model AK, adult.
- 160.047/370/0 Type I, Model CKM, child.
- 160.047/371/0 Type I, Model CKS, child.

Karbin Products, 715-17 Pulaski Rd., Chicago, IL 60624

- 160.047/73/0 Model AK, adult.
- 160.047/74/0 Model CKM, child.
- 160.047/75/0 Model CKS, child.

Keat Sporting Goods Co., 433 Park Avenue S, State Route 60, New London, OH 44851

- 160.047/339/0 Type II Buoyant Vest, Adult, Model AK-1.
- 160.047/340/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model CKM-1.
- 160.047/341/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model CKS-1.

Kiltie Manufacturing Co., 5160 Thompson St., Philadelphia, PA 19131

- 160.047/196/0 Model AK, adult.
- 160.047/197/0 Model CKM, child.
- 160.047/198/0 Model CKS, child.

Knight Leather Products, Inc., 126 Call St., Jamaica Plain, MA 02130

- 160.047/238/0 Model AK, adult.
- 160.047/239/0 Model CKM, child.
- 160.047/240/0 Model CKS, child.

Liberty Cork Co., Inc., 123 Whitehead Ave., South River, NJ 08882

- 160.047/162/0 Model AK, adult.
- 160.047/163/0 Model CKM, child.
- 160.047/164/0 Model CKS, child.
- 160.047/493/0 Type I, Model AK-1, adult.
- 160.047/494/0 Type I, Model CKM-1, child.
- 160.047/495/0 Type I, Model CKS-1, child.

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EQUIPMENT LISTS

Liberty Distributors, 4300 North Fifth Street, P.O. Box 95, Philadelphia, PA 19140

160.047/265/0 Model AK, adult.
160.047/266/0 Model CKM, child.
160.047/267/0 Model CKS, child.
160.047/378/0 Type I, Model AK-1, adult.
160.047/379/0 Type I, Model CKM-1, child.
160.047/380/0 Type I, Model CKS-1, child.
160.047/520/0 Type I, Model AK-1, adult.
160.047/521/0 Type I, Model CKM-1, child.
160.047/522/0 Type I, Model CKS-1, child.
160.047/541/0 Type I, Model AK-1, adult.
160.047/542/0 Type I, Model CKM-1, child.
160.047/543/0 Type I, Model CKS-1, child.

Lifeline Co., Marietta, GA 30060

160.047/178/0 Model AK, adult.
160.047/179/0 Model CKM, child.
160.047/180/0 Model CKS, child.

Lifo Products Co., 315 East 15th St., Covington, KY 42101

160.047/86/0 Model AK, adult.
160.047/87/0 Model CKM, child.
160.047/88/0 Model CKS, child.
160.047/514/0 Model AK-1, adult.
160.047/515/0 Model CKM-1, child.
160.047/516/0 Model CKS-1, child.

Marine Hardware & Supply Co., 390 Atlantic Ave., Boston, MA 02110

160.047/153/0 Model AK, adult.
160.047/154/0 Model CKM, child.
160.047/155/0 Model CKS, child.
160.047/475/0 Type I, Model AK-1, adult.
160.047/476/0 Type I, Model CKM-1, child.
160.047/477/0 Type I, Model CKS-1, child.

Mercantile Sales Co., Inc., 301 South Seventh St., St. Louis, MO 63102

160.047/559/0 Type I, Model AK-1, adult.
160.047/560/0 Type I, Model CKM-1, child.
160.047/561/0 Type I, Model CKS-1, child.

Merit Manufacturing Corp., 92-15 172nd St., Jamaica, NY 11433

160.047/38/0 Model AK, adult.
160.047/39/0 Model CKM, child.
160.047/40/0 Model CKS, child.

Milco Marine Industries, 400 Thetford Ave., Brooklyn, NY 11212

160.047/235/0 Model AK, adult.
160.047/236/0 Model CKM, child.
160.047/237/0 Model CKS, child.
160.047/390/1 Type II Kapok Buoyant Vest, Adult, Model AK-1.
160.047/391/1 Type II Kapok Buoyant Vest, Child Medium (50 to 90 lb.), Model CKM-1.
160.047/392/1 Type II Kapok Buoyant Vest, Child Small (under 50 lb.), Model CKS-1.
160.047/663/0 Type II Kapok Buoyant Vest, Adult, Model 212.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Montgomery Ward & Co., Inc., 619 West Chicago Ave., Chicago, IL 60610

160.047/13/0 Model AK, adult.
 160.047/29/0 Model CKM, child.
 160.047/30/0 Model CKS, child.
 160.047/59/0 Model AK, adult.
 160.047/60/0 Model CKM, child.
 160.047/61/0 Model CKS, child.
 160.047/144/0 Model AK, adult.
 160.047/145/0 Model CKM, child.
 160.047/146/0 Model CKS, child.
 160.047/333/0 Type I, Model AK-1, adult.
 160.047/334/0 Type I, Model CKM-1, child.
 160.047/335/0 Type I, Model CKS-1, child.

Nautical Products Corp., 130 Atlantic Ave., Brooklyn, NY 11201

160.047/460/0 Type I, Model AK-1, adult.
 160.047/461/0 Type I, Model CKM-1, child.
 160.047/462/0 Type I, Model CKS-1, child.

Nelson Sales Co., 620 Broadway, Kansas City, MO 64105

160.047/271/0 Model AK, adult.
 160.047/272/0 Model CKM, child.
 160.047/273/0 Model CKS, child.

New York Rubber Co., Swainsboro, GA 30401

160.047/247/0 Model AK, adult.
 160.047/248/0 Model CKM, child.
 160.047/249/0 Model CKS, child.
 160.047/414/0 Type I, Model AK-1, adult.
 160.047/415/0 Type I, Model CKM-1, child.
 160.047/416/0 Type I, Model CKS-1, child.

Noble Products Co., P.O. Box 327, Caldwell, OH 43724

160.047/56/0 Model AK, adult.
 160.047/57/0 Model CKM, child.
 160.047/58/0 Model CKS, child.
 160.047/429/0 Type II Kapok Buoyant Vest, Adult, Model AK-1.
 160.047/430/0 Type II Kapok Buoyant Vest, Child Medium (50 to 90 lb.), Model CKM-1.
 160.047/431/0 Type II Kapok Buoyant Vest, Child Small (under 50 lb.), Model CKS-1.

Nu-Way Sporting Goods Co., 708 Eighth St., Sioux City, IA 51102

160.047/229/0 Model AK, adult.
 160.047/230/0 Model CKM, child.
 160.047/231/0 Model CKS, child.
 160.047/381/0 Type I, Model AK-1, adult.
 160.047/382/0 Type I, Model CKM-1, child.
 160.047/383/0 Type I, Model CKS-1, child.

Outdoor Supply Co., Inc., Oxford, NC 27566

160.047/601/0 Type I, Model AK-1, adult.
 160.047/602/0 Type I, Model CKM-1, child.
 160.047/603/0 Type I, Model CKS-1, child.
 160.047/619/0 Type I, Model AK-1, adult.
 160.047/620/0 Type I, Model CKM-1, child.
 160.047/621/0 Type I, Model CKS-1, child.

EQUIPMENT LISTS

P. J. Gould Co., 440 North Wells St., Chicago, IL 60610

- 160.047/253/0 Model AK, adult.
- 160.047/254/0 Model CKM, child.
- 160.047/255/0 Model CKS, child.
- 160.047/445/0 Type I, Model AK-1, adult.
- 160.047/446/0 Type I, Model CKM-1, child.
- 160.047/447/0 Type I, Model CKS-1, child.

Pacific Northwest Ltd., Pier 70, Alaska Way & Broad St., Seattle, WA 98101

- 160.047/259/0 Model AK-1, adult.
- 160.047/260/0 Model CKM-1, child.
- 160.047/261/0 Model CKS-1, child.

Parkway Manufacturing Co., Third & Decatur Streets, Richmond, VA 23212

- 160.047/550/0 Type I, Model AK-1, adult.
- 160.047/551/0 Type I, Model CKM-1, child.
- 160.047/552/0 Type I, Model CKS-1, child.

Peerless Maid Plastics, Inc., P.O. Box 38, Farmington, MN 55024

- 160.047/635/0 Type I, Model AK-1, adult.
- 160.047/636/0 Type I, Model CKM-1, child.
- 160.047/637/0 Type I, Model CKS-1, child.

Peoples Co., 712 Buffington St., Huntington, WV 25702

- 160.047/130/0 Model AK, adult.
- 160.047/131/0 Model CKM, child.
- 160.047/132/0 Model CKS, child.
- 160.047/384/0 Type I, Model AK-1, adult.
- 160.047/385/0 Type I, Model CKM-1, child.
- 160.047/386/0 Type I, Model CKS-1, child.

Pinnet Sales Co., 1911 East Eleventh St., P.O. Box 3568, Tulsa, OK 74104

- 160.047/553/0 Type I, Model AK-1, adult.
- 160.047/554/0 Type I, Model CKM-1, child.
- 160.047/555/0 Type I, Model CKS-1, child.

Plott Manufacturing Co., P.O. Drawer 9038, Station A, Greenville, SC 29604

- 160.047/14/0 Model AK, adult.
- 160.047/15/0 Model CKM, child.
- 160.047/16/0 Model CKS, child.
- 160.047/327/0 Type II Kapok Buoyant Vest, Adult, Model AK-1.
- 160.047/328/0 Type II Kapok Buoyant Vest, Child Medium (50 to 90 lb.), Model CKM-1.
- 160.047/329/0 Type II Kapok Buoyant Vest, Child Small (under 50 lb.), Model CKS-1.

Polyco, Inc., 312 Dobbs St., Marietta, GA 30060

- 160.047/442/0 Type I, Model AK-1, adult.
- 160.047/443/0 Type I, Model CKM-1, child.
- 160.047/444/0 Type I, Model CKS-1, child.

Protection Products Division, Ero Industries, Inc., 5940 West Touhy Ave., Chicago, IL 60648

- 160.047/174/0 Model AK, adult.
- 160.047/175/0 Model CKM, child.
- 160.047/176/0 Model CKS, child.

Red Head Brand Corp., 4949 Joseph Hardin Drive, Dallas, TX 75236

- 160.047/10/0 Model AK-1, adult.
- 160.047/11/0 Model CKM-1, child.

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.047/12/0 Model CKS-1, child.
 160.047/607/0 Type I, Model AK-1, adult.
 160.047/608/0 Type I, Model CKM-1, child.
 160.047/609/0 Type I, Model CKS-1, child.
 160.047/644/0 Type II Buoyant Vest, Adult, Model AK-1.
 160.047/645/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model CKM-1.
 160.047/646/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model CKS-1.

Revere Survival Products, Inc., 603-607 West 29th St., New York, NY 10001
 160.047/171/0 Model AK, adult.
 160.047/172/0 Model CKM, child.
 160.047/173/0 Model CKS, child.

Robey Manufacturing Co., Newaygo, MI 49337
 160.047/150/0 Model AK, adult.
 160.047/151/0 Model CKM, child.
 160.047/152/0 Model CKS-1, child.
 160.047/411/0 Type I, Model AK-1, adult.
 160.047/412/0 Type I, Model CKM-1, child.
 160.047/413/0 Type I, Model CKS-1, child.

S & M Co., Arthur & Kennedy Streets, Minneapolis, MN 55413
 160.047/262/0 Type I, Model AK, adult.
 160.047/263/0 Type I, Model CKM, child.
 160.047/264/0 Type I, Model CKS, child.
 160.047/405/0 Type I, Model AK-1, adult.
 160.047/406/0 Type I, Model CKM-1, child.
 160.047/407/0 Type I, Model CKS-1, child.
 160.047/502/0 Type I, Model AK-1, adult.
 160.047/503/0 Type I, Model CKM-1, child.
 160.047/504/0 Type I, Model CKS-1, child.

S. H. Barton and Co., 4910 South Vermont Ave., Los Angeles, CA 90037
 160.047/523/0 Type I, Model AK-1, adult.
 160.047/524/0 Type I, Model CKM-1, child.
 160.047/525/0 Type I, Model CKS-1, child.

Safe-T-Mate Co., 1444 North Mitchell St., Cadillac, MI 49601
 160.047/589/0 Type I, Model AK-1, adult.
 160.047/590/0 Type I, Model CKM-1, child.
 160.047/591/0 Type I, Model CKS-1, child.

Safeguard Corp., P.O. Box 14037, Cincinnati, OH 45214
 160.047/21/0 Model AK, adult.
 160.047/22/0 Model CKM, child.
 160.047/23/0 Model CKS, child.

Saint Croix Corp., Park Falls, WI 54552
 160.047/469/0 Type I, Model AK-1, adult.
 160.047/470/0 Type I, Model CKM-1, child.
 160.047/471/0 Type I, Model CKS-1, child.

Sav-A-Life Industries, Inc., Div. of Land-O-Nod Co., 925 Northeast Broadway, Minneapolis, MN 55413
 160.047/156/0 Model AK, adult.
 160.047/157/0 Model CKM, child.
 160.047/158/0 Model CKS, child.

EQUIPMENT LISTS

Sears, Roebuck and Co., Sears Tower, Dept. 606, Chicago, IL 60684

160.047/17/0 Model AK, adult.
 160.047/41/0 Model CKM, child.
 160.047/42/0 Model CKS, child.
 160.047/52/0 Model AK, adult.
 160.047/53/0 Model CKM, child.
 160.047/54/0 Model CKS, child.
 160.047/98/0 Model AK, adult.
 160.047/99/0 Model CKM, child.
 160.047/100/0 Model CKS, child.
 160.047/103/0 Model AK, adult.
 160.047/104/0 Model CKM, child.
 160.047/105/0 Model CKS, child.
 160.047/211/0 Model AK, adult.
 160.047/212/0 Model CKM, child.
 160.047/213/0 Model CKS, child.
 160.047/217/0 Model AK, adult.
 160.047/218/0 Model CKM, child.
 160.047/219/0 Model CKS, child.
 160.047/315/0 Type I, Model AK-1, adult.
 160.047/316/0 Type I, Model CKM-1, child.
 160.047/317/0 Type I, Model CKS-1, child.
 160.047/387/0 Type I, Model AK-1, adult.
 160.047/388/0 Type I, Model CKM-1, child.
 160.047/389/0 Type I, Model CKS-1, child.
 160.047/529/0 Type I, Model AK-1, adult.
 160.047/530/0 Type I, Model CKM-1, child.
 160.047/531/0 Type I, Model CKS-1, child.
 160.047/547/0 Type I, Model AK-1, adult.
 160.047/548/0 Type I, Model CKM-1, child.
 160.047/549/0 Type I, Model CKS-1, child.
 160.047/574/0 Type II Kapok Buoyant Vest, Adult, Model AK-1.
 160.047/575/0 Type II Kapok Buoyant Vest, Child Medium (50 to 90 lb.), Model CKM-1.
 160.047/576/0 Type II Kapok Buoyant Vest, Child Small (under 50 lb.), Model CKS-1.
 160.047/654/0 Type II Buoyant Vest, Adult, Model 63121.
 160.047/656/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model 63122.

Seaway Manufacturing Co., 511 North Solomon Place, New Orleans, LA 70119

160.047/580/0 Type I, Model AK-1, adult.
 160.047/581/0 Type I, Model CKM-1, child.
 160.047/582/0 Type I, Model CKS-1, child.

Sherbrooke Sporting Goods, Inc., North Street, East Douglas, MA 01516

160.047/641/0 Type II PFD, Model AK-1 adult.
 160.047/642/0 Type II PFD, Model CKM-1 child.
 160.047/643/0 Type II PFD, Model CKS-1 child.

Siegmund Werner, Inc., 225 Belleville Ave., Bloomfield, NJ 07003

160.047/121/0 Model AK, adult.
 160.047/122/0 Model CKM, child.
 160.047/123/0 Model CKS, child.
 160.047/250/0 Model AK, adult.
 160.047/251/0 Model CKM, child.
 160.047/252/0 Model CKS, child.

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.047/366/0 Type I, Model AK-1, adult.
 160.047/367/0 Type I, Model CKM-1, child.
 160.047/368/0 Type I, Model CKS-1, child.
 160.047/438/0 Type I, Model AK-1, adult.
 160.047/439/0 Type I, Model CKM-1, child.
 160.047/440/0 Type I, Model CKS-1, child.

Southern Sales Co., 40 North Second St., Philadelphia, PA 19106

160.047/76/0 Model AK, adult.
 160.047/77/0 Model CKM, child.
 160.047/78/0 Model CKS, child.

Spiegel, Inc., West 35th St., Chicago, IL 60609

160.047/321/0 Type I, Model AK-1, adult.
 160.047/322/0 Type I, Model CKM-1, child.
 160.047/323/0 Type I, Model CKS-1, child.

Stearns Manufacturing Company, 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302

160.047/18/0 Model AK, adult.
 160.047/19/0 Model CKM, child.
 160.047/20/0 Model CKS, child.
 160.047/351/0 Type I, Model AK-1, adult.
 160.047/352/0 Type I, Model CKM-1, child.
 160.047/353/0 Type I, Model CKS-1, child.
 160.047/595/0 Model LG-191, adult.
 160.047/596/0 Model XBM-LG-192, child.
 160.047/597/0 Model XBS-LG-193, child.

Swan Products Co., Inc., 145-92 228th Street, Springfield Gardens, NY 11413

160.047/80/0 Model AK, adult.
 160.047/81/0 Model CKM, child.
 160.047/82/0 Model CKS, child.
 160.047/393/0 Type I, Model AK-1, adult.
 160.047/394/0 Type I, Model CKM-1, child.
 160.047/395/0 Type I, Model CKS-1, child.
 160.047/632/0 Type II Kapok Buoyant Vest, Adult, Model AK-1.
 160.047/633/0 Type II Kapok Buoyant Vest, Child Medium (50 to 90 lb.), Model CKM-1.
 160.047/634/0 Type II Kapok Buoyant Vest, Child Small (under 50 lb.), Model CKS-1.

Tapatco, Inc., P.O. Box 49, Fairfield, CA 94533

160.047/625/0 Type I, Model AK-1, adult.
 160.047/626/0 Type I, Model CKM-1, child.
 160.047/627/0 Type I, Model CKS-1, child.

Trigg Manufacturing Corp., P.O. Box 360, Cadiz, KY 42211

160.047/577/0 Type I, Model AK-1, adult.
 160.047/578/0 Type I, Model CKM-1, child.
 160.047/579/0 Type I, Model CKS-1, child.

Tucker Duck & Rubber Co., Ft. Smith, AR 72900

160.047/490/0 Type I, Model AK-1, adult.
 160.047/491/0 Type I, Model CKM-1, child.
 160.047/492/0 Type I, Model CKS-1, child.

EQUIPMENT LISTS

Viking Products Co., 145-92 228th Street, Springfield Gardens, NY 11413
 160.047/193/0 Model AK, adult.
 160.047/194/0 Model CKM, child.
 160.047/195/0 Model CKS, child.
 160.047/463/0 Type I, Model AK-1, adult.
 160.047/464/0 Type I, Model CKM-1, child.
 160.047/465/0 Type I, Model CKS-1, child.

Voedisch Brothers, Inc., 1639 North Wells St., Chicago, IL 60614
 160.047/232/0 Model AK, adult.
 160.047/233/0 Model CKM, child.
 160.047/234/0 Model CKS, child.

Vogue Textiles, Inc., 20 Roberts Ave., Pawtucket, RI 02860
 160.047/139/0 Model CKM, child.
 160.047/140/0 Model CKS, child.
 160.047/177/0 Model AK, adult.

Wallace Manufacturing Co., 273-85 Congress St., Boston, MA 02110
 160.047/226/0 Model AK, adult.
 160.047/227/0 Model CKM, child.
 160.047/228/0 Model CKS, child.
 160.047/726/0 Type I, Model AK-1, adult.
 160.047/727/0 Type I, Model CKM-1, child.
 160.047/728/0 Type I, Model CKS-1, child.

West Products Co., P.O. Box 707, Newark, NJ 07101
 160.047/562/0 Type I, Model AK-1, adult.
 160.047/563/0 Type I, Model CKM-1, child.
 160.047/564/0 Type I, Model CKS-1, child.

White Manufacturing Co., Inc., Fifth & Wacouta Streets, St. Paul, MN 55101
 160.047/48/0 Model AK, adult.
 160.047/49/0 Model CKM, child.
 160.047/50/0 Model CKS, child.
 160.047/478/0 Type I, Model AK-1, adult.
 160.047/479/0 Type I, Model CKM-1, child.
 160.047/480/0 Type I, Model CKS-1, child.

160.048 BUOYANT CUSHIONS, KAPOK OR FIBROUS GLASS, TYPE IV PFDs

A. Goldman & Sons, Inc., 625 Broadway, New York, NY 10012
 160.048/93/0 Special approval, 15" x 15" x 2", kapok.

A. L. Robertson, Inc., 325 South Kresson St., Baltimore, MD 21224
 160.048/45/0 Group approval, kapok.

Acme Products, Inc., 152 Brewery St., New Haven, CT 06511
 160.048/54/0 Special approval, 15" x 15" x 2", kapok.

Aimcee Wholesale Corp., 1440 Broadway, New York, NY 10018
 160.048/218/0 Group approval, kapok.

Allgood Products Company, 824 West Eighth St., Little Rock, AR 72201
 160.048/156/0 Group approval, kapok.
 160.048/167/0 Special approval, 14" x 17" x 2", ribbed-type, kapok.
 160.048/168/0 Special approval, 14" x 19" x 2", ribbed-type, kapok.

FORMERLY APPROVED LIFESAVING EQUIPMENT

American Cover Co., Inc., 8815-25 South Avalon Blvd., Los Angeles, CA 90003
160.048/224/0 Group approval, kapok.

American Pad and Textile Co., Greenfield, OH 45123
160.048/6/0 Special approval, 14" x 19" x 2", ribbed-type, kapok.
160.048/14/0 14" x 44" x 2", kapok.
160.048/15/0 14" x 48" x 2", kapok.
160.048/16/0 Special approval, 14" x 54" x 2", rectangular, kapok.
160.048/146/0 Special approval, 15" x 15" x 2", with heat-sealed seams, kapok.
160.048/154/0 Special approval 17" diameter x 2", kapok.

American Recreation Products, 4949 Joseph Hardin Drive, Dallas, TX 75236
160.048/221/0 Type IV Buoyant Cushion, Group approval.
160.048/226/1 Type IV Buoyant Cushion, Model BC-2.

Arthur Palmer Co., 260 Monroe Ave., Memphis, TN 38103
160.048/200/0 Group approval, kapok.

Associated Merchandising Corp., 1440 Broadway, New York, NY 10018
160.048/181/0 Group approval, kapok.

Associated Plastics, Inc., 2315 East Olympic Blvd., Los Angeles, CA 90021
160.048/105/0 Special approval, 15" x 15" x 2", kapok.

Atlantic Pacific Mfg. Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104
160.048/1/1 Type IV Buoyant Cushion, Model 4315/2.
160.048/220/0 Group approval, fibrous glass.
160.048/23/0 Special approval, 14" x 17" x 2", ribbed-type, kapok.
160.048/24/0 Special approval, 14" x 17" x 2", ribbed-type, kapok.
160.048/124/0 Special approval, 15" x 15" x 2", kapok.
160.048/207/0 Special approval, 13" x 18" x 2", ribbed-type, kapok.

Atlas Products, 2459 University Ave., St. Paul, MN 55144
160.048/50/0 Special approval, 13" x 18" x 2", ribbed-type, kapok.
160.048/51/0 Group approval, kapok.

Automatic Distributing Corp., 5721 Harvey Wilson Drive, Houston, TX 77020
160.048/199/0 Group approval, kapok.

B. T. Crump Co., Inc., 1310-34 East Franklin St., Richmond, VA 23213
160.048/115/0 Group approval, kapok.

Badgley Manufacturing Co., 1727 North Benton, Portland, OR 97227
160.048/121/0 Special approval, 15" x 15" x 2", kapok.

Beck & Gregg Hardware Co., 217 Lackie St., P.O. Box 984, Atlanta, GA 30301
160.048/197/0 Group approval, kapok.

Belknap, Inc., P.O. Box 28, Louisville, KY 40201
160.048/225/0 Group approval, kapok, rectangular and trapezoidal.
160.048/227/0 Special approval, 14" x 17" x 2" kapok, rectangular ribbed type.

Billy Boy Products Div., 144 South Main St., Montgomery, MI 49255
160.048/46/0 Group approval for rectangular and trapezoidal kapok.

EQUIPMENT LISTS

Biltmore Manufacturing Co., 1501 Freeman Ave., Cincinnati, OH 45214
 160.048/92/0 Special approval 15" x 15" x 2", kapok.
 160.048/128/0 Group approval, kapok.

Bob Erath Co., 603 East Washington St., South Bend, IN 46622
 160.048/34/0 Group approval, kapok.
 160.048/131/0 Group approval, kapok.
 160.048/209/0 Group approval for rectangular and trapezoidal kapok.

Boston Camping Distributor Co., 150 Oliver St., Boston, MA 02110
 160.048/64/0 Group approval, kapok.
 160.048/123/0 Group approval, kapok.

Bottom Dollar Industries, Inc., 715 Izard St., Little Rock, AR
 160.048/155/0 Group approval, kapok.
 160.048/165/0 Special approval 14" x 17" x 2", ribbed-type, kapok.
 160.048/166/0 Special approval 14" x 19" x 2", ribbed-type, kapok.

Bowman Manufacturers, Inc., 1823 Woodrow, Little Rock, AR 72205
 160.048/84/0 Group approval, kapok.

Bowman Products Div., Associated Spring Corp., 850 East 72nd St., Cleveland, OH 44103
 160.048/202/0 Group approval, kapok.
 160.048/217/0 Group approval, kapok.

Boyce Manufacturing Co., Acworth, GA 30101
 160.048/239/0 Group approval, kapok.
 160.048/241/0 Special approval, 13.25" x 17" x 2", kapok.

Brunswick Corp., Consumer Division, Eminence, KY 40019
 160.048/26/0 Group approval, kapok.
 160.048/27/2 Special approval, 17" x 14" x 2 ribbed-type, kapok.

Bulldog Marine Products, Inc., 5825 South Western Ave., Chicago, IL 60636
 160.048/194/0 Group approval, kapok.

Burlington Mills, Inc., Burlington, WI 53105
 160.048/100/0 Group approval, kapok.

Campco Ventures, Inc., Div. of American Recreation, 1891 Woolner Ave., Fairfield, CA 94533
 160.048/3/0 Group approval, kapok.
 160.048/5/1 Special approval, 14" x 17" x 2", kapok.

Canvas Specialty Manufacturing Co., 7344 East Bandini Blvd., Los Angeles, CA 90022
 160.048/171/0 Group approval, kapok.

Chris-Craft Corp., Algona, MI 48001
 160.048/63/0 Group approval, kapok.
 160.048/69/0 Special group approval, 2 1/2" thick, kapok.

Coast to Coast Stores, Central Organization, 7500 Excelsior Blvd., Minneapolis, MN 55426
 160.048/141/0 Special approval, 15" x 15" x 2", kapok.
 160.048/229/0 Group approval, kapok.
 160.048/230/0 Special approval, kapok, 14" x 17" x 2".

Comfort Cushion Co., 5062-84 Loraine, Detroit, MI 48208
 160.048/72/1 Group approval, kapok.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Correct Craft, Inc., Pine Castle, FL 32809
160.048/71/0 Group approval, kapok.

Cossit & Company, 308 West Chestnut Street, Burlington, WI 53105
160.048/243/0 Group approval, kapok.
160.048/443/0 Cloth covered kapok "BUOYANT CUSHION", Type IV PFD.

Crawford Manufacturing Co., Inc., Third & Decatur Streets, Richmond, VA 23212
160.048/169/0 Special approval, 15" x 15" x 2", kapok.
160.048/260/0 Type IV, Model 13x17x2.

Dellson Products, Inc., Clemwood & Upshur Streets, Salisbury, MD 21801
160.048/186/0 Special group approval, 2 1/2" thick, kapok.

Dennison Co., 200 Waverly Ave., Newark, NJ 07108
160.048/67/0 Group approval, kapok.

Drybak Co., Eminence, KY 40019
160.048/203/0 Group approval, kapok.
160.048/204/1 Special approval, 17" x 14" x 2", ribbed-type, kapok.
160.048/251/0 Group approval, kapok.
160.048/252/0 Special approval, 14" x 17" x 2", ribbed-type, kapok.

Ebsco Industries, Inc., First Ave. North at 13th St., Birmingham, AL 35203
160.048/184/0 Group approval, kapok.

Elvin Sakow Co., 15 East St., Boston, MA 02211
160.048/32/0 Type IV, Group approval, kapok.

Empire Athletic Supply Co., Inc., 443-45 Broadway, New York, NY 10013
160.048/110/0 Group approval, kapok.

Ero Industries, Inc., 8130 North Lehigh Ave., Morton Grove, IL 60053-2614
160.048/117/0 Type IV Buoyant Cushion, group approval.
160.048/237/1 Type IV Buoyant Cushion, Model 13"x18"x2".

Farber Brothers, Inc., 1324 Fannville Rd., Memphis, TN 38122
160.048/247/0 Type IV Buoyant Cushion, group approval.

Firestone Tire & Rubber Co., Akron, OH 44317
160.048/190/0 Group approval, kapok.

Flote-Rite Corp., Eighth & Spring Garden St., Philadelphia, PA 19123
160.048/111/0 Group approval, kapok.

Fortier Upholstering Co., Manistee, MI 49660
160.048/40/0 Group approval, kapok.

G. C. Murphy Co., 531 Fifth Avenue, McKeesport, PA 15132
160.048/99/0 Special approval, 15" x 15" x 2", kapok.

Gamble-Skogmo, Inc., 15 North Eighth St., Minneapolis, MN 55403
160.048/47/0 Group approval, kapok.
160.048/48/0 Special approval, 14" x 17" x 2", ribbed-type, kapok.

Gem Manufacturing Co., 1 Roosevelt Ave., Clifton, NJ 07011
160.048/101/0 Special approval, 15 in x 15 in x 2 in, rectangular kapok.

Geneva Upholstering Co., Lake Geneva, WI 53147
160.048/74/0 Group approval, kapok.

Gob Shops of America, Inc., Providence, RI 02900
160.048/65/0 Group approval, kapok.

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EQUIPMENT LISTS

Grand Novelty Hassock Co., Inc., 279-81 State St., Brooklyn, NY 11201
160.048/174/0 Group approval, kapok.

Grand Rapids Manufacturing Co., 420 Alabama Ave. NW, Grand Rapids, MI 49504
160.048/87/0 Group approval, kapok.

H. N. Gilman and Associates, Inc., 2010 Nicollet Ave., Minneapolis, MN 55404
160.048/104/0 Group approval, kapok.

H. Weazel Tent and Duck Co., 2200 South Hanley Rd., St. Louis, MO 63144
160.048/213/1 Special approval, 15" x 15" x 2", kapok.
160.048/214/0 Special approval, 14" x 17" x 2", ribbed-type kapok.

Harry Miller Co., 244 Atlantic Ave., Boston, MA 02110
160.048/116/0 Special approval, 15" x 15" x 2", kapok.
160.048/120/0 Group approval, kapok.

Hawkeye Sporting Goods Co., P.O. Box 613, Des Moines, IA 50302
160.048/8/0 Group approval, kapok.
160.048/10/0 Special approval, 13 1/2" x 18" x 2", ribbed-type, kapok.

Henry H. Smith & Co., 356 East Jefferson Ave., Detroit, MI 48226
160.048/112/0 Special approval, 15" x 15" x 2", kapok.

Henry Manufacturing Co., 1310 Marquette Ave., Minneapolis, MN 55403
160.048/142/1 Group approval, kapok.

Herter's Inc., Waseca, MN 56093
160.048/78/0 Group approval, kapok.
160.048/79/0 Special approval, 13" x 18" x 2", ribbed-type, kapok.
160.048/126/0 Group approval, kapok.
160.048/127/0 Special approval, 13" x 18" x 2", ribbed-type, kapok.
160.048/133/0 Group approval, kapok, rectangular and trapezoidal.
160.048/177/0 Group approval, kapok.
160.048/178/0 Special approval, 14" x 17" x 2", ribbed-type, kapok.
160.048/179/0 Special approval, 14" x 19" x 2", ribbed-type, kapok.
160.048/185/0 Group approval, kapok.
160.048/206/0 Group approval, kapok.
160.048/208/0 Special approval, 13" x 18" x 2", ribbed-type, kapok.
160.048/242/0 Group approval, kapok.

Hetrick Manufacturing Co., 1401 Summit St., Toledo, OH 43604
160.048/85/1 Group approval, kapok.
160.048/135/1 Special approval, 15" x 15" x 2", with heat-sealed seams, kapok.

Holiday Line, Inc., 50 Washington St., Brooklyn, NY 11201
160.048/28/0 Group approval, kapok.

Howard Zink Corp., Fremont, OH 43420
160.048/59/0 Special approval, 15" x 15" x 2", kapok.
160.048/81/0 Group approval, kapok.
160.048/113/0 Group approval, kapok.

Hunter Outdoor Products, Inc., 234 Union St., North Adams, MA 01247
160.048/257/0 Type IV Buoyant Cushion, group approval.

Hymen Co., Fremont, OH 43420
160.048/55/0 Special approval, 15" x 15" x 2", kapok.

Imperial Sports, 205 Belleville Ave., Bloomfield, NJ 07003
160.048/95/0 Special approval, 15" x 15" x 2", kapok.

FORMERLY APPROVED LIFESAVING EQUIPMENT

- International Cushion Co., 1110 NE Eighth Ave., Ft. Lauderdale, FL 33311
160.048/35/0 Group approval, kapok, rectangular and trapezoidal.
- Iowa Fiber Products, Inc., 316 Court Ave., Des Moines, IA 50309
160.048/7/0 Group approval, kapok.
160.048/9/1 Special approval, 14" x 17" x 2", ribbed-type, kapok.
- J. C. Penney Co., Inc., 1301 Ave. of the Americas, New York, NY 10019
160.048/233/0 Group approval, kapok.
160.048/248/0 Group approval, kapok.
160.048/255/0 Group approval, kapok.
- J. S. Oshman Co., 2320 Maxwell Lane, Houston, TX 77023
160.048/205/0 Group approval, kapok.
- Jack Cole Co., 746 West 17th St., Costa Mesa, CA 92627
160.048/134/0 Special approval, 13 1/4" x 21 3/4" x 2", kapok.
- James Bliss & Co., 342 Atlantic Ave., Boston, MA 02110
160.048/58/0 Group approval, kapok.
160.048/70/0 Group approval, kapok.
- Jay Marine Products Div., Fairyland Toy Co., 1900 Central Ave., Minneapolis, MN 55418
160.048/176/0 Group approval, kapok.
- Jenkins & Frey, 1233 NE First Ave., Miami, FL 33136
160.048/60/0 Group approval, fibrous glass.
- Kahler's Upholstery Shop, 820 Seventh St., Tell City, IN 47586
160.048/188/0 Group approval, kapok.
- Karbin Products, 715-17 Pulaski Rd., Chicago, IL 60624
160.048/29/0 Group approval, kapok.
- Kiltie Manufacturing Co., 5160 Thompson St., Philadelphia, PA 19131
160.048/98/0 Special approval, 15" x 15" x 2", kapok.
- Knight Leather Products, Inc., 126 Call St., Jamaica Plain, MA 02130
160.048/153/0 Special approval, 15" x 15" x 2", kapok.
- Laurel Corp., P.O. Box 171, Shippensburg, PA 16254
160.048/180/0 Group approval, fibrous glass.
160.048/183/0 Special group approval, 15" x 15" x 2" various lengths, kapok.
- Liberty Cork Co., Inc., 123 Whitehead Ave., South River, NJ 08882
160.048/88/0 Group approval, kapok.
- Liberty Distributors, 4300 North Fifth St., P.O. Box 95, Philadelphia, PA 19140
160.048/173/0 Group approval, kapok.
160.048/210/0 Group approval, kapok.
160.048/220/0 Group approval, kapok.
- Lifeline Co., Marietta, GA 30060
160.048/119/0 Group approval, kapok.
- Lifo Products Co., 315 East 15th St., Covington, KY 42101
160.048/73/0 Group approval, kapok.
- Marine Hardware & Supply Co., 390 Atlantic Ave., Boston, MA 02110
160.048/106/0 Special group approval, 15" x 15" x 2" kapok.
- Marine Upholstery & Specialty Co., Div. of Shearman Bros., 25 Shearman Place, Jamestown, NY 14701
160.048/152/0 Group approval, fibrous glass.
160.048/182/0 Special approval, 15" x 15" x 2", kapok.

EQUIPMENT LISTS

Martin Industries, P.O. Box 423, Clayton, AL 36016
160.048/254/0 Group approval, kapok, rectangular and trapezoidal.

Merit Manufacturing Corp., 92-15 172nd St., Jamaica, NY 11433
160.048/12/0 Group approval, kapok.

Mermelstein Distributing Co., 515 Main St., Childs, PA 18407
160.048/122/0 Group approval, kapok.

Miltco Marine Industries, 400 Thetford Ave., Brooklyn, NY 11212
160.048/144/0 Type IV Buoyant Cushion, group approval.

Monson-California Co., 2549 El Camino Real, Redwood City, CA 94061
160.048/129/0 Special approval, 15" x 15" x 2", kapok.

Montgomery Ward & Co., Inc., 619 West Chicago Ave., Chicago, IL 60610
160.048/37/0 Group approval, kapok.
160.048/38/0 Special approval, 14" x 19" x 2, ribbed-type, kapok.
160.048/39/0 Group approval, kapok.
160.048/49/0 Group approval, kapok.
160.048/89/0 Group approval, kapok.
160.048/103/0 Group approval, kapok.
160.048/189/0 Special approval, 15" x 15" x 2", with heat-sealed seams, kapok.

Nautical Products Corp., 130 Atlantic Ave., Brooklyn, NY 11201
160.048/191/0 Special approval, 14" x 19" x 2, rectangular ribbed-type, kapok.
160.048/192/0 Group approval, kapok.

Nelson Sales Co., 620 Broadway, Kansas City, MO 64105
160.048/175/0 Group approval, kapok.

Neptune Specialties, Inc., 14 North Chatsworth Ave., Larchmont, NY 10538
160.048/25/0 Group approval, kapok.

New York Rubber Co., Swainsboro, GA 30401
160.048/157/0 Group approval, kapok.
160.048/158/0 Special approval, 14" x 17" x 2", ribbed-type, kapok.
160.048/159/0 Special approval, 14" x 19" x 2, ribbed-type, kapok.

Noble Products Co., P.O. Box 327, Caldwell, OH 43724
160.048/33/0 Type IV Buoyant Cushion, Group approval.
160.048/41/0 Special approval, 13" x 18" x 2", ribbed-type, kapok.
160.048/42/0 Special approval, 14" x 44" x 2", ribbed-type, kapok.
160.048/43/0 Special approval, 14" x 48" x 2", ribbed-type, kapok.
160.048/44/0 Special approval, 14" x 54" x 2", ribbed-type, kapok.

Nu-Way Sporting Goods Co., 708 Eighth St., Sioux City, IA 51102
160.048/147/0 Group approval, kapok.

Outdoor Supply Co., Inc., Oxford, NC 27566
160.048/244/0 Group approval, kapok.
160.048/245/0 Special approval, 14" x 17" x 2", ribbed-type, kapok, rectangular.
160.048/246/0 Group approval, fibrous glass.
160.048/253/0 Group approval, kapok.

P. I. Gould Co., 440 North Wells St., Chicago, IL 60610
160.048/137/1 Group approval, kapok.

Pacific Northwest Co., Pier 70, Alaska Way & Broad St., Seattle, WA 98101
160.048/172/0 Group approval, kapok.

Parkway Manufacturing Co., Third & Decatur Streets, Richmond, VA 23212
160.048/222/0 Group approval, kapok.

FORMERLY APPROVED LIFESAVING EQUIPMENT

- Peoples Co., 712 Buffington St., Huntington, WV 25702
160.048/94/0 Group approval, kapok.
- Point Sporting Goods Co., Stevens Point, WI 54481
160.048/198/0 Group approval, kapok.
- Protection Products Div., Ero Industries, Inc., 5940 West Touhy Ave., Chicago, IL 60648
160.048/170/0 Special approval, 15" x 15" x 2", with heat-sealed seams, kapok.
- Rainier Haddock & Cushion Co., 2339 Fawcett Ave., Tacoma, WA 98402
160.048/102/0 Group approval, kapok.
- Red Head Brand Corp., 4949 Joseph Hardin Dr., Dallas, TX 75236
160.048/249/0 Type IV Buoyant Cushion, Group approval.
160.048/250/0 Type IV Buoyant Cushion, Group approval.
- Rest Products Co., Inc., 4220 East 15th St., Kansas City, MO 64116
160.048/86/0 Special approval, 15" x 15" x 2", kapok.
- Revere Survival Products Co., Inc., 603-607 West 29th St., New York, NY 10001
160.048/114/0 Group approval, kapok.
- Robey Manufacturing Co., Newaygo, MI 49337
160.048/82/0 Group approval, kapok.
- Rocklyn Manufacturing Co., 10221 Mabelvale Pike, Little Rock, AR 72209
160.048/130/0 Group approval, kapok.
- S. H. Barton and Co., 4910 South Vermont Ave., Los Angeles, CA 90037
160.048/212/0 Group approval, kapok.
- Safe-T-Mate Co., 1444 North Mitchell St., Cadillac, MI 49601
160.048/240/0 Group approval, kapok.
- Saint Croix Corp., Park Falls, WI 54552
160.048/196/0 Group approval, kapok, rectangular and trapezoidal.
- Sav-A-Life Industries, Inc., Div. of Land-o-Nod Co., 925 Northeast Broadway, Minneapolis, MN 55413
160.048/107/0 Group approval, kapok.
160.048/108/0 Special approval, 13" x 18" x 2", ribbed-type, kapok.
- Sears, Roebuck and Co., Sears Tower, Department 606, Chicago, IL 60684
160.048/19/0 Group approval, kapok.
160.048/20/0 Special approval, 14" x 17" x 2", ribbed-type, kapok.
160.048/36/0 Group approval, kapok.
160.048/80/0 Group approval, kapok.
160.048/83/0 Group approval, kapok.
160.048/118/0 Group approval, kapok.
160.048/132/0 Group approval, kapok.
160.048/136/0 Special approval, 15" x 15" x 2", with heat-sealed seams, kapok.
160.048/139/0 Special approval, 14" x 17" x 2", with kapok, ribbed-type.
160.048/140/0 Special approval, 15" x 15" x 2", kapok.
160.048/150/1 Special approval, 15" x 15" x 2", with heat-sealed seams, kapok.
160.048/160/0 Special approval, 15" x 15" x 2", with heat-sealed seams, kapok.
160.048/161/0 Special approval, 17" diameter x 2", kapok.
160.048/215/1 Group approval, kapok.
160.048/216/1 Special approval, 14" x 17" x 2", ribbed-type, kapok.
160.048/234/0 Type IV Buoyant Cushion, group approval.
160.048/238/0 Special Approval 13" x 18" x 2", 21 oz kapok.
- Seaway Manufacturing Co., 511 North Solomon Pl., New Orleans, LA 70119
160.048/236/0 Special approval, 17" diameter x 2", kapok.

EQUIPMENT LISTS

See Bentz & Sons Upholstering, 111 Fifth St., Watertown, WI 53094
160.048/96/0 Group approval, kapok.

Siegmund Werner, Inc., 225 Belleville Ave., Bloomfield, NJ 07003
160.048/75/1 Group approval, kapok.
160.048/162/0 Special approval, 15" x 15" x 2", kapok.

Sound Mattress & Felt Co., P.O. Box 1505, Tacoma, WA 98401
160.048/66/0 Special approval, 15" x 15" x 2", kapok.
160.048/97/0 Special approval, 15-1/2" x 25" x 2", kapok.

Southern Sales Co., 40 North Second St., Philadelphia, PA 19106
160.048/61/0 Group approval, kapok.

Southern Tackle Distributors, Inc., 4027 Northwest 24th St., Miami, FL 33148
160.048/109/0 Special approval, 15" x 15" x 2", kapok.

Spiegel, Inc., West 35th Street, Chicago, IL 60609
160.048/21/0 Group approval, kapok.

Stearns Manufacturing Company, 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302
160.048/2/0 Group approval, kapok.
160.048/56/1 Special approval, 13" x 18" x 2", ribbed-type kapok.

Swan Products Co., Inc., 145-92 228th St., Springfield Gardens, NY 11413
160.048/68/1 Group approval, kapok, rectangular and trapezoidal.
160.048/231/0 Type IV Buoyant Cushion, group approval.

Tapatco, Inc., P.O. Box 49, Fairfield, CA 94533
160.048/4/0 Group approval, fibrous glass.
160.048/256/0 Group approval, kapok.

Textstar Plastics, 110 Manufacturing St., Dallas, TX 75207
160.048/148/1 Special group approval, 15" x 2" x various lengths, kapok.

Trigg Manufacturing Corp., P.O. Box 360, Cadiz, KY 42211
160.048/235/0 Group approval, kapok.

Trimco, Holiday Harbor, Celoron, NY 14720
160.048/90/0 Group approval, kapok, rectangular and trapezoidal.
160.048/91/0 Group approval, kapok, rectangular and trapezoidal.

Tucker Dock & Rubber Co., Ft. Smith, AR 72900
160.048/201/0 Group approval, kapok.

Van Kamp Hardware & Iron Co., 401 West Maryland St., Indianapolis, IN 40225
160.048/195/0 Group approval, kapok.

Viking Products Co., 145-92 228th St., Springfield Gardens, NY 11413
160.048/125/0 Group approval, kapok.
160.048/232/0 Group approval, kapok.

Voedisch Brothers, Inc., 1639 North Wells St., Chicago, IL 60614
160.048/149/0 Group approval, kapok.

W. L. Damas Manufacturing Co., 14 A Street, NW, Miami, OK 74354
160.048/77/1 Group approval, kapok.
160.048/143/0 Special approval, 15" x 15" x 2", kapok.

Wallace Manufacturing Co., 273-85 Congress St., Boston, MA 02110
160.048/145/0 Group approval, kapok.

FORMERLY APPROVED LIFESAVING EQUIPMENT

West Products Co., P.O. Box 707, Newark, NJ 07101
160.048/228/0 Group approval, kapok.

White Manufacturing Co., Inc., Fifth & Wacouta Streets, St. Paul, MN 55101
160.048/30/0 Special approval, 15" x 15" x 2", kapok.
160.048/31/0 Special approval, 13" x 18" x 2", ribbed-type, kapok.

160.049 BUOYANT CUSHIONS, UNICELLULAR PLASTIC FOAM, TYPE IV PFDs

Acme Products, Inc., 152 Brewery St., New Haven, CT 06511
160.049/26/0 Group approval.

Allgood Products Company, 824 West Eighth St., Little Rock, AR 72201
160.049/29/0 Group approval.

American Recreation Products, 4949 Joseph Hardin Drive, Dallas, TX 75236
160.049/52/0 Group approval for rectangular and trapezoidal unicellular plastic foam "BUOYANT CUSHION",
Type IV PFD.

Atlantic Pacific Mfg. Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104
160.049/3/0 Group approval.

Belknap, Inc., P.O. Box 28, Louisville, KY 40201
160.049/54/0 Group approval.

Billy Boy Products Div., 144 South Main St., Montgomery, MI 49255
160.049/18/0 Group approval.
160.049/51/0 Group approval.

Bottom Dollar Industries, Inc., 715 Izard St., Little Rock, AR 72201
160.049/28/0 Group approval.

Bulldog Marine Products, Inc., 5825 South Western Ave., Chicago, IL 60636
160.049/49/0 Special approval, 15" x 15" x 2 7/8".
160.049/59/0 Special approval, 15" x 15" x 4 3/8".

Burlington Mills, Inc., Burlington, WI 53105
160.049/48/0 Group approval.

Canvas Specialty Manufacturing Co., 7344 East Bandini Blvd., Los Angeles, CA 90022
160.049/45/0 Special approval, 15" x 15" x 2 7/8".

Carlson Rubber Products Co., 1 New Haven Ave., Derby, CT 06418
160.049/58/0 Special approval, 15" x 15" x 4 3/8".

Chris-Craft Corp., Algonac, MI 48001
160.049/5/0 Group approval.

Coast to Coast Stores, Central Organization, 7500 Excelsior Blvd., Minneapolis, MN 55426
160.049/61/0 Group approval.

Comfort Cushion Co., 5062-84 Lorraine, Detroit, MI 48208
160.049/44/0 Group approval.

Crawford Manufacturing Co., Inc., Third & Decatur Streets, Richmond, VA 23212
160.049/19/0 Group approval.
160.049/46/0 Special approval, 15" x 21" x 2".
160.049/56/0 Special approval, 15" x 15" x 4 3/8".

EQUIPMENT LISTS

- Deitz Plastic Formers, Inc., 185 Goffle Rd., Hawthorne, NJ 07506
160.049/30/0 Special approval, 18" x 18" x 2", with heat-sealed seams.
- Diversified Products Corp., P.O. Box 100, Opelika, AL 36803
160.049/80/0 Special approval, 18" x 14" x 2 1/2".
160.049/81/0 Special approval, 15" x 15" x 3 1/2".
160.049/82/0 Special approval, 15" x 15" x 2 7/8".
- Elvin Salow Co., 15 East St., Boston, MA 02211
160.049/60/0 Special approval, 15" x 15" x 4 3/8" vinyl dip coated.
160.049/65/0 Group approval.
- Ero Industries, Inc., 8130 North Lehigh Ave., Morton Grove, IL 60053-2614
160.049/43/0 Group Approval.
- Farber Brothers, Inc., 1324 Farmville Rd., Memphis, TN 38122
160.049/262/0 Group Approval.
- Fortier Upholstering Co., Manistee, MI 49660
160.049/32/0 Group Approval.
- General Engineering & Mfg. Corp., P.O. Box 26, Andrews, IN 46702
160.049/37/0 Group approval.
- Gentex Corp., Carbondale, PA 18407
160.049/47/0 Special Approval, 15" x 15" x 3", vinyl dip coating.
- Goodenow Manufacturing, 1301 West 18th St., Erie, PA 16501
160.049/62/0 Special approval, 14 7/8" x 15 1/2" x 4 3/8".
160.049/63/0 Special approval, 23" x 13" x 2 1/8".
- Goshen Cushion and Body Co., Goshen, IN 40526
160.049/20/0 Group approval.
- Grand Rapids Manufacturing Co., 420 Alabama Ave., NW, Grand Rapids, MI 49504
160.049/27/0 Group approval.
- Hawkeye Sporting Goods Co., P.O. Box 613, Des Moines, IA 50302
160.049/9/0 Group approval.
- Howard Zink Corp., Fremont, OH 43420
160.049/40/0 Group approval.
- Huntsboro Oak Flooring Co., Inc., Huntsboro, AL 36860
160.049/71/0 Special approval, 15 1/2" x 14 7/8" x 4 3/8".
160.049/76/0 Special approval, 18" x 14" x 2 1/2".
160.049/77/0 Special approval, 15" x 15" x 3 1/2".
160.049/79/0 Special approval, 15" x 15" x 2 7/8".
- International Cushion Co., 1110 NE Eighth Ave., Ft. Lauderdale, FL 33311
160.049/50/0 Group approval.
- Iowa Fiber Products, Inc., 316 Court Ave., Des Moines, IA 50309
160.049/4/0 Group approval.
- Jones & Yandell Div., American Tent Co., P.O. Box 270, Canton, MS 39046
160.049/31/5 Special approval, 20" x 14" x 2 1/4".

FORMERLY APPROVED LIFESAVING EQUIPMENT

Liberty Cork Co., Inc., 123 Whitehead Ave., South River, NJ 08882
160.049/22/0 Group approval.

Marine Upholstery & Specialty Co., Div. of Shearman Bros., 25 Shearman Pl., Jamestown, NY 14701
160.049/41/0 Special group approval, 2" thick.

Martin Industries, P.O. Box 423, Clayton, AL 36016
160.049/70/0 Special approval, 15 1/2" x 14 7/8" x 4 3/8".
160.049/74/0 Special approval, 18" x 14" x 2 1/2".
160.049/75/0 Special approval, 15" x 15" x 3 1/2".
160.049/78/0 Special approval, 15" x 15" x 2 7/8".

Massoud Marine Upholstery, Inc., 110 Manufacturing St., Dallas, TX 75207
160.049/35/0 Special approval, 15" x 20" x 2 1/8".
160.049/36/0 Special approval, 15" x 21" x 2".

Mercury Boat Co., Highway 126, Pira, CA 93040
160.049/11/0 Group approval.

Merit Manufacturing Corp., 92-15 172nd St., Jamaica, NY 11433
160.049/7/0 Group approval.

Mermatec, Inc., 3332 Industrial Ct., San Diego, CA 92121
160.049/67/0 Special approval, 14 7/8" x 15 1/2" x 4 3/8".

Montgomery Ward & Co., Inc., 619 West Chicago Ave., Chicago, IL 60610
160.049/57/0 Special approval, 15" x 15" x 4 3/8" vinyl dip coated.

Outdoor Supply Co., Inc., Oxford, NC 27566
160.049/72/0 Group approval.

Plott Manufacturing Co., P.O. Drawer 9038, Station A, Greenville, SC 29604
160.049/16/0 Group approval.
160.049/73/0 Type IV, Model 15" x 21" x 2".

Robey Manufacturing Co., Newaygo, MI 49337
160.049/42/0 Group approval.

Safeguard Corp., P.O. Box 14037, Cincinnati, OH 45214
160.049/6/0 Group approval.

Sav-A-Life Industries, Inc., Div. of Land-o-Nod Co., 925 Northeast Broadway, Minneapolis, MN 55413
160.049/23/0 Group approval for rectangular and trapezoidal unicellular plastic foam "BUOYANT CUSHION",
Type IV PFD.

Sears, Roebuck and Co., Sears Tower, Dept. 606, Chicago, IL 60684
160.049/8/0 Group approval for rectangular and trapezoidal unicellular plastic foam "BUOYANT CUSHION",
Type IV PFD.

Seashore Upholstering Co., Marmora, NJ 08223
160.049/15/0 Group approval.

Seaway Manufacturing Co., 511 North Solomon Place, New Orleans, LA 70119
160.049/64/0 Group approval.

See Bentz & Sons Upholstering, 111 Fifth St., Watertown, WI 53094
160.049/38/0 Group approval.

St. Paul and White Bear Ski Co., 440 Lakeview Ave., St. Paul, MN 55119
160.049/68/0 Special approval, 23" x 13" x 2 1/8".

EQUIPMENT LISTS

Stearns Manufacturing Co., 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302
160.049/1/0 Group approval.

Tapasco, Inc., P.O. Box 49, Fairfield, CA 94533
160.049/2/0 Group approval.

Taylorco, Inc., 2500 South Range Dr., Hammond, LA 70401
160.049/269/0 Type IV Buoyant Cushion, Model Seahorse.
160.049/270/0 Type IV Buoyant Cushion, Model B-1.
160.049/271/0 Type IV Buoyant Cushion, Model B-2.

Texas Water Crafters, P.O. Drawer 539, Wichita Falls, TX 76307
160.049/69/1 Special approval, 15" x 21" x 2" vinyl dip coated.

Texstar Plastics, 110 Manufacturing St., Dallas, TX 75207
160.049/34/1 Group approval.

Trimco, Holiday Harbor, Celoron, NY 14720
160.049/17/0 Group approval.

Wellington Industries, Inc., P.O. Box 244, Madison, GA 30650
160.049/265/0 Type IV, Model S9946G21.

160.050 BUOYS, LIFE RING, UNICELLULAR PLASTIC FOAM, TYPE IV PFDs

America Marine Products, 240 Shore Drive, Hinsdale, IL 60521
160.050/95/0 Type IV Ring Life Buoy, 24-inch.
160.050/96/0 Type IV Ring Life Buoy, 30-inch.

Aquality, Inc., 8938 Mason Ave., Chatsworth, CA 91311
160.050/74/0 Type IV Ring Life Buoy, 20-inch.
160.050/75/0 Type IV Ring Life Buoy, 24-inch.
160.050/76/0 Type IV Ring Life Buoy, 30-inch.

Atlantic Pacific Mfg. Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104
160.050/17/3 Type IV, Ring Life Buoy, 30 inch.
160.050/18/3 Type IV, Ring Life Buoy, 24 inch.
160.050/19/3 Type IV, Ring Life Buoy, 20 inch.
160.050/30/1 30 inch.
160.050/31/1 24 inch.
160.050/32/1 20 inch.
160.050/45/0 Type IV, Ring Life Buoy, 30 inch.
160.050/46/0 Type IV, Ring Life Buoy, 24 inch.
160.050/47/0 Type IV, Ring Life Buoy, 20 inch.
160.050/51/0 Type IV Ring Life Buoy, 30-inch.
160.050/62/0 30 inch.
160.050/83/0 30 inch.
160.050/87/0 30 inch.

Billy Pugh Co., Inc., 1510 North Broadway, P.O. Box 802, Corpus Christi, TX 78403
160.050/100/0 24 inch.
160.050/101/0 24 inch.
160.050/108/1 Type IV, Ring Buoy 24 inch, Model A 24.
160.050/109/1 Type IV, Ring Buoy 30 inch, Model A 30.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Cal-June Corp., P.O. Box 9551, North Hollywood, CA 91609-1551
 160.050/49/0 Type IV Ring Life Buoy, 30-inch.
 160.050/59/0 Type IV Ring Life Buoy, 30-inch.

Campeco Ventures, Inc., Div. of American Recreation, 1891 Woolner Ave., Fairfield, CA 94533
 160.050/12/3 30 inch.
 160.050/13/3 24 inch.
 160.050/14/3 20 inch.
 160.050/68/0 20 inch.
 160.050/69/0 24 inch.
 160.050/70/0 30 inch.

Carlson Rubber Products Co., 1 New Haven Ave., Derby, CT 06418
 160.050/71/0 Type IV Ring Life Buoy, 20-inch.
 160.050/72/0 Type IV PFD, 24-inch unicellular plastic foam ring life buoy.
 160.050/73/0 Type IV Ring Life Buoy, 30-inch.

Datrex, Inc., P.O. Box 1150, Kinder, LA 70648
 160.050/B110/0 Type IV Ring Life Buoy, 20-inch.
 160.050/B111/0 Type IV Ring Life Buoy, 24-inch.
 160.050/B112/0 Type IV Ring Life Buoy, 30-inch.

Donne Plastic Co., 4920 State Rd., Ashtabula, OH 44004
 160.050/97/0 20 inch.

Goodenow Manufacturing, 1301 West 18th St., Erie, PA 16501
 160.050/80/0 20 inch.
 160.050/81/0 24 inch.
 160.050/82/0 30 inch.

Goodyear Tire and Rubber Co., Akron, OH 44305
 160.050/5/0 30 inch.
 160.050/6/0 24 inch.

L. S. Baier & Associates, Marine Plastics Div., 421 SW Fifth Ave., Portland, OR 97204
 160.050/4/0 30-inch, polystyrene core with fibrous glass reinforced plastic shell.

Mermatec, Inc., 3332 Industrial Ct., San Diego, CA 92121
 160.050/42/0 30 inch.
 160.050/43/0 24 inch.
 160.050/44/0 20 inch.

Nautical Products Corp., 130 Atlantic Ave., Brooklyn, NY 11201
 160.050/33/0 30 inch.
 160.050/34/0 24 inch.
 160.050/35/0 20 inch.
 160.050/36/1 30 inch.
 160.050/37/1 24 inch.
 160.050/38/1 20 inch.
 160.050/52/0 30 inch.

Outdoor Supply Co., Inc., Oxford, NC 27566
 160.050/53/0 20 inch.
 160.050/54/0 24 inch.
 160.050/55/0 30 inch.
 160.050/65/0 20 inch.

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EQUIPMENT LISTS

160.050/66/0 24 inch.
160.050/67/0 30 inch.

Plasti-Kraft Corp., Ozona Industrial Park, Ozona, FL 33560
160.050/7/2 Type IV Ring Life Buoy, 20-inch.
160.050/10/1 Type IV, Ring Life Buoy, 24 inch.
160.050/11/1 Type IV, Ring Life Buoy, 30 inch.

Ploti Manufacturing Co., P.O. Drawer 9038, Station A, Greenville, SC 29604
160.050/23/0 30 inch.
160.050/24/0 24 inch.
160.050/25/0 20 inch.
160.050/39/0 20 inch.
160.050/40/0 24 inch.
160.050/41/0 30 inch.
160.050/56/0 30 inch.
160.050/57/0 24 inch.
160.050/58/0 24 inch.
160.050/92/0 Type IV, Model 24 inch.
160.050/93/0 Type IV, Model 30 inch.

Polyfoam Packers Corp., Coated Marine Products Div., 2320 South Foster Ave., Wheeling, IL 60090
160.050/88/1 Type IV 20-inch Ring Life Buoy.
160.050/89/1 Type IV 24-inch Ring Life Buoy.
160.050/90/1 Type IV 30-inch Ring Life Buoy.

Recreonics Corp., 1635 Expo Lane, Indianapolis, IN 46224
160.050/98/0 Type IV Ring Life Buoy, 24-inch.
160.050/99/0 Type IV Ring Life Buoy, 30-inch.

Revere Survival Products Co., Inc., 603-607 West 29th St., New York, NY 10001
160.050/94/0 Type IV Ring Life Buoy, 30-inch.

Sponge Rubber Products Div., Grand Sheet Metal Products Co., 37 Canal St., Shelton, CT 06484
160.050/1/2 30 inch.
160.050/2/2 24 inch.
160.050/3/2 24 inch.

Stearns Manufacturing Co., 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302
160.050/C110/0 Type IV Ring Life Buoy, 20-inch.
160.050/C111/0 Type IV Ring Life Buoy, 24-inch.
160.050/C112/0 Type IV Ring Life Buoy, 30-inch.

Sande & D'Evers Co., Coleman Ferry Terminal, Seattle, WA 98104
160.050/15/0 30 inch polystyrene core with fibrous glass reinforced plastic shell.

Tapalco, Inc., P.O. Box 49, Fairfield, CA 94533
160.050/26/0 20 inch.
160.050/27/0 24 inch.
160.050/28/0 30 inch.

Wellington Industries, Inc., P.O. Box 244, Madison, GA 30650
160.050/113/0 Type IV Ring Life Buoy, 20-inch.
160.050/114/0 Type IV Ring Life Buoy, 24-inch.
160.050/115/0 Type IV Ring Life Buoy, 30-inch.

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.051 LIFE RAFTS, INFLATABLE

Plastimo Inflatable Rafts, 3874 Fiscal Court, Riviera Beach, FL 33404

160.051/A220/1 Six-person square-waterplane inflatable liferaft with SOLAS "A" Pack or "B" Pack equipment.

160.051/A221/1 Eight-person square-waterplane inflatable liferaft with SOLAS "A" Pack or "B" Pack equipment.

160.051/A222/0 Ten-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" Pack or "B" Pack equipment.

160.051/A223/0 Twelve-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" Pack or "B" Pack equipment, complying with SOLAS 74/83.

160.051/A251/1 Four-person square-waterplane inflatable liferaft, with Ocean Service ("A Pack") or Limited Service ("B Pack") equipment, in low profile container.

Raftco Hendry Manufacturing Co., 12-A Panaron Way, Novato, CA 94947

160.051/1/1 4 person.

160.051/2/3 6 person.

160.051/3/3 8 person.

160.051/4/3 10 person.

160.051/5/3 15 person.

160.051/6/3 25 person.

160.051/10/3 12 person.

160.051/11/3 20 person.

160.051/63/0 4 person.

160.051/64/0 6 person.

160.051/65/0 8 person.

160.051/66/0 10 person.

160.051/67/0 12 person.

160.051/68/0 15 person.

160.051/69/0 20 person.

160.051/70/0 25 person.

160.051/82/0 25 person.

Revere Survival Products Co., Inc., 603-607 West 29th St., New York, NY 10001

160.051/72/2 4-person inflatable liferaft.

160.051/73/2 6-person SOLAS inflatable liferaft.

160.051/74/2 8-person SOLAS inflatable liferaft.

160.051/75/2 10-person SOLAS inflatable liferaft.

160.051/76/2 12-person SOLAS inflatable liferaft.

160.051/77/2 15-person SOLAS inflatable liferaft.

160.051/78/3 20-person SOLAS inflatable liferaft.

160.051/79/2 25-person SOLAS inflatable liferaft.

160.051/80/2 25-person SOLAS inflatable liferaft.

160.051/102/0 20-person SOLAS inflatable liferaft.

160.051/105/0 12-person SOLAS inflatable liferaft.

160.051/106/0 8-person SOLAS inflatable liferaft.

160.051/107/0 4-person inflatable liferaft.

160.051/173/0 6-person; passed 100-ft. drop test.

160.051/174/0 25-person; passed 100-ft. drop test.

160.051/175/0 8-person; passed 100-ft. drop test.

160.051/176/0 10-person; passed 100-ft. drop test.

160.051/177/0 12-person; passed 100-ft. drop test.

160.051/178/0 15-person; passed 100-ft. drop test.

160.051/179/0 20-person; passed 100-ft. drop test.

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EQUIPMENT LISTS

160.051/180/0 8-person; passed 100-ft. drop test.
160.051/181/0 12-person; passed 100-ft. drop test.
160.051/183/0 4-person; passed 100-ft. drop test.
160.051/198/0 6-person; passed 100-ft. drop test

RFD, Inc., Richwood, WV 26685

160.051/22/0 20 person.
160.051/24/0 10 person.
160.051/25/0 6 person.
160.051/26/0 15 person.
160.051/27/0 25 person.
160.051/33/0 25 person, Davit-Launched.

RPR Industries, Inc., P.O. Box 158, Apex, NC 27502

160.051/7/0 Uniroyal 10 person.
160.051/8/0 Uniroyal 15 person.
160.051/9/0 Uniroyal 20 person.
160.051/21/0 Uniroyal 6 person.
160.051/28/3 Uniroyal 15 person.
160.051/29/1 Uniroyal 20 person.
160.051/30/1 Uniroyal 10 person.
160.051/31/1 Uniroyal 6 person.

Seaco/Elliot, Inc., 3874 Fiscal Court, Riviera Beach, FL 33404

160.051/23/1 Uniroyal 25 person.
160.051/89/2 25-person.
160.051/90/3 6-person. Passed 91-foot drop test.
160.051/93/2 25-person.
160.051/94/2 8-person.
160.051/95/2 10-person.
160.051/96/2 12-person.
160.051/97/2 15-person. Passed 91-foot drop test.
160.051/98/2 20-person.
160.051/182/0 25-person (davit-launched); passed 100-ft. drop test.
160.051/211/0 25-person drop-launchable inflatable liferaft, Type Elliot MK-6, with ocean service equipment and conventional-sized water pockets.
160.051/219/0 20-person drop-launchable inflatable liferaft, Type Elliot MK-6, with ocean service equipment and conventional-sized water pockets. Passed 100-foot drop test in FRP container.
160.051/220/1 Six-person square-waterplane inflatable liferaft, with SOLAS "A" Pack or "B" Pack equipment.
160.051/221/1 Eight-person square-waterplane inflatable liferaft, with SOLAS "A" Pack or "B" Pack equipment.
160.051/222/0 Ten-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" Pack or "B" Pack equipment.
160.051/223/0 Twelve-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" Pack or "B" Pack equipment.
160.051/224/0 Sixteen-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" pack or "B" Pack equipment.
160.051/225/0 Twenty-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" pack or "B" Pack equipment.
160.051/226/0 Twenty-five-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" pack or "B" Pack equipment.
160.051/227/0 25-person davit-launched inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" or "B" Pack equipment.
160.051/251/2 Four-person square-waterplane inflatable liferaft, with Ocean Service ("A Pack") or Limited

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Service ("B Pack") equipment, in low profile container.

160.051/275/1 Four-person square-waterplane Coastal Service inflatable liferaft with Coastal Service equipment pack, packed in low-profile rigid container.

160.051/276/1 Six-person square-waterplane Coastal Service inflatable liferaft with Coastal Service equipment pack, packed in low-profile rigid container.

160.051/277/1 Eight-person square-waterplane Coastal Service liferaft.

SMR Technologies, Inc. (formerly B. F. Goodrich), P.O. Box 326, 1420 Wolf Creek Trail, Sharon Center, OH 44274-0326

160.051/50/3 6-person capacity.

160.051/51/3 15-person capacity.

160.051/53/3 25-person capacity.

160.051/62/0 10 person.

160.051/81/3 25-person.

160.051/88/3 10-person.

160.051/91/3 8-person.

160.051/92/3 12-person.

160.051/99/0 25-person.

Switlik Parachute Co., Inc., 1325 East State St., P.O. Box 1328, Trenton, NJ 08607

160.051/13/3 4 person.

160.051/14/2 6 person.

160.051/15/4 8 person.

160.051/16/4 10 person.

160.051/18/4 15 person.

160.051/19/4 20 person.

160.051/20/4 25 person.

160.051/57/0 15-person; passed 100-ft. drop test

160.051/58/0 20-person; passed 100-ft. drop test

160.051/59/0 25-person; passed 100-ft. drop test

160.051/61/0 25-person; passed 100-ft. drop test

160.051/85/0 25-person; passed 100-ft. drop test

160.051/86/0 25-person; passed 100-ft. drop test

Viking A/S Nordisk Gummibæddfabrik, P.O. Box 3060, 6710 Esbjerg V, Denmark

160.051/132/0 20 person, davit launched.

160.051/133/0 25 person, davit launched.

160.051/134/0 25 person, davit launched.

160.051/149/0 4-person.

160.051/150/0 6-person; passed 36-meter drop test.

160.051/152/0 10-person.

160.051/153/0 12-person; passed 36-meter drop test.

160.051/154/0 16-person.

160.051/155/0 20-person.

160.051/156/0 25-person; passed 36-meter drop test.

160.051/157/0 25-person; passed 36-meter drop test.

160.051/158/0 12-person (davit-launched); passed 36-meter drop test.

160.051/159/0 16-person (davit-launched).

160.051/160/0 20-person (davit-launched).

160.051/161/0 20-person (davit-launched).

160.051/162/0 25-person (davit-launched); passed 36-meter drop test.

160.051/163/0 25-person (davit-launched); passed 36-meter drop test.

160.052 BUOYANT VESTS, UNICELLULAR PLASTIC FOAM, TYPE II PFDs

Acme Products, Inc., 152 Brewery St., New Haven, CT 06511

- 160.052/193/0 Type II, Model 812, adult.
- 160.052/194/0 Type II, Model 811, child.
- 160.052/195/0 Type II, Model 810, child.
- 160.052/325/0 Type II, Model LVA-300, adult.
- 160.052/326/0 Type II, Model LCVN-200, child.
- 160.052/327/0 Type II, Model LCVS-100, child.

Allgood Products Co., 824 West Eighth St., Little Rock, AR 72201

- 160.052/78/0 Type I, Model AP, adult.
- 160.052/79/0 Type I, Model CPM, child.
- 160.052/80/0 Type I, Model CPS, child.

American Pad and Textile Co., Greenfield, OH 45123

- 160.052/19/0 Type I, Model AP, adult.
- 160.052/20/0 Type I, Model CPM, child.
- 160.052/21/0 Type I, Model CPS, child.
- 160.052/289/0 Type II, Model 245, adult.
- 160.052/290/0 Type II, Model 246-M, child.
- 160.052/291/0 Type II, Model 246-S, child.

American Recreation Products, 4949 Joseph Hardin Drive, Dallas, TX 75236

- 160.052/222/0 Type II PFD, Model AP-2, adult.
- 160.052/223/0 Type II PFD, Model CPM-2, child.
- 160.052/224/0 Type II PFD, Model CPS-2, child.
- 160.052/350/0 Type II, Model BVA, adult.
- 160.052/426/0 Type II Buoyant Vest, Adult, Model AP-2.
- 160.052/427/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model CPM-2.
- 160.052/428/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model CPS-2.

Aqua King Manufacturing Co., P.O. Box 7451, Ft. Worth, TX 76111

- 160.052/73/0 Type II, Model 101, adult.
- 160.052/74/0 Type II, Model 102, child.

Atlantic Pacific Mfg. Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104

- 160.052/116/1 Type II Buoyant Vest, Adult, Model UPA.
- 160.052/117/1 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model UPM.
- 160.052/118/1 Type II Buoyant Vest, Child Small (under 50 lb.), Model UPS.
- 160.052/310/0 Type II, Model 8241, adult.
- 160.052/311/0 Type II, Model 8243, child.
- 160.052/312/0 Type II, Model 8242, child.
- 160.052/344/0 Type II, Model 8241, adult.
- 160.052/345/0 Type II, Model 8243, child.
- 160.052/346/0 Type II, Model 8242, child.

Badgley Manufacturing Co., 1727 North Benton, Portland, OR 97227

- 160.052/61/0 Type I, Model AP, adult.
- 160.052/62/0 Type I, Model CPM, child.
- 160.052/63/0 Type I, Model CPS, child.

Belknap, Inc., P.O. Box 28, Louisville, KY 40201

- 160.052/257/0 Type II, PFD, Model AP-2, adult.
- 160.052/258/0 Type II, PFD, Model CPM-2, child.

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160.052/259/0 Type II, PFD, Model CPM-2, child.
 160.052/420/0 Type II, PFD, Model AP-2, adult.
 160.052/421/0 Type II, PFD, Model CPM-2, child.
 160.052/422/0 Type II, PFD, Model CPM-2, child.

Bea-Sun Products Corp., 70 South Railroad St., New London, OH 44851

160.052/165/0 Type II, Model ADFL, adult.
 160.052/166/0 Type II, Model CDFM, child.
 160.052/167/0 Type II, Model CDFS, child.

Billy Boy Products Div., 144 South Main St., Montgomery, MI 49255

160.052/28/0 Type I, Model AP, adult.
 160.052/29/0 Type I, Model CPM, child.
 160.052/30/0 Type I, Model CPS, child.
 160.052/186/0 Type II, Model BBA, adult.
 160.052/187/0 Type II, Model BBM, child.
 160.052/188/0 Type II, Model BBC, child.
 160.052/189/0 Type II, Model BBC-2, child.
 160.052/316/0 Type II PFD, Model 1BB, adult.
 160.052/317/0 Type II PFD, Model 2BB, child.
 160.052/318/0 Type II PFD, Model 3BB, child.
 160.052/356/0 Type II, Model 104, adult.
 160.052/357/0 Type II, Model 105, child.
 160.052/358/0 Type II, Model 106, child.

Bottom Dollar Industries, Inc., 715 Izard St., Little Rock, AR 72201

160.052/75/0 Type I, Model AP, adult.
 160.052/76/0 Type I, Model CPM, child.
 160.052/77/0 Type I, Model CPS, child.

Bowman Products Div., Associated Spring Corp., 850 East 72nd St., Cleveland, OH 44103

160.052/196/0 Type II, Model 85832, adult.
 160.052/197/0 Type II, Model 85831, child.
 160.052/198/0 Type II, Model 85830, child.

Boy Scouts of America, Supply Div., 1325 Walnut Hill Lane, P.O. Box 152079, Irving, TX 75015-2079

160.052/410/0 Type II, Model UPA, adult.

Brunswick Corp., Consumer Div., Eminence, KY 40019

160.052/10/0 Type I, Model AP, adult.
 160.052/11/0 Type I, Model CPM, child.
 160.052/12/0 Type I, Model CPS, child.
 160.052/174/0 Type II, Model LV, adult.
 160.052/175/0 Type II, Model LVCM, child.
 160.052/176/0 Type II, Model LVCS, child.

Bulldog Marine Products, Inc., 5825 South Western Ave., Chicago, IL 60636

160.052/171/0 Type II, Model 100, adult.
 160.052/172/0 Type II, Model 200, child.
 160.052/173/0 Type II, Model 300, child.
 160.052/280/0 Type II, Model BDA, adult.
 160.052/281/0 Type II, Model BDM, child.
 160.052/282/0 Type II, Model BDC-1, child.

EQUIPMENT LISTS

Burlington Mills, Inc., Burlington, WI 53105
 160.052/89/0 Type I, Model AP, adult.
 160.052/90/0 Type I, Model CPM, child.
 160.052/91/0 Type I, Model CPS, child.
 160.052/110/1 Type II, Model BP, adult.
 160.052/111/1 Type II, Model BPM, child.
 160.052/112/1 Type II, Model BPS, child.
 160.052/202/0 Type II, Model B 100, adult.
 160.052/203/0 Type II, Model B 200, child.
 160.052/204/0 Type II, Model B 300, child.

Campco Ventures, Inc., Div. of American Recreation, 1891 Woolner Ave., Fairfield, CA 94533
 160.052/119/1 Type II PFD, Model 245, adult.
 160.052/120/1 Type II PFD, Model 245M, child.
 160.052/121/1 Type II PFD, Model 245S, child.

Canvas Specialty Manufacturing Co., 7344 East Bandini Blvd., Los Angeles, CA 90022
 160.052/67/0 Type I, Model AP, adult.
 160.052/68/0 Type I, Model CPM, child.
 160.052/69/0 Type I, Model CPS, child.

Carlson Rubber Products Co., 1 New Haven Ave., Derby, CT 06418
 160.052/313/0 Type II, Model LVA-300, adult.
 160.052/314/0 Type II, Model LVCM-200, child.
 160.052/315/0 Type II, Model LVCS-100, child.
 160.052/347/0 Type II, C-S, Model LVCS-100.
 160.052/348/0 Type II, C-M, Model LVCM-100.
 160.052/349/0 Type II, Adult Universal Model LVA-300.

Coast to Coast Stores, Central Organization, 7500 Excelsior Blvd., Minneapolis, MN 55426
 160.052/274/0 Type II PFD, Model AP-2, adult.
 160.052/275/0 Type II PFD, Model CPM-2, child.
 160.052/276/0 Type II PFD, Model CPS-2, child.

Crawford Manufacturing Co., Inc., Third & Decatur Streets, Richmond, VA 23212
 160.052/13/0 Type I, Model AP, adult.
 160.052/14/0 Type I, Model CPM, child.
 160.052/15/0 Type I, Model CPS, child.
 160.052/131/1 Type II, Model "A", adult.
 160.052/132/1 Type II, Model "M", child.
 160.052/133/1 Type II, Model "S", child.
 160.052/225/1 Type II, Model AD, adult.
 160.052/226/1 Type II, Model MD, child.
 160.052/227/1 Type II, Model SD, child.
 160.052/399/1 Type II, Model AD, adult.

Diversified Products Corp., P.O. Box 100, Opelika, AL 36803
 160.052/396/0 Type II, Model 700, adult.
 160.052/397/0 Type II, Model 690, child.
 160.052/398/0 Type II, Model 680, child.

Drake Products, Greenville, MI 48838
 160.052/199/0 Type II, Model D100, adult.
 160.052/200/0 Type II, Model D300, child.
 160.052/201/0 Type II, Model D200, child.

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Drybak Co., Eminence, KY 40019

- 160.052/263/0 Type II, Model LVD, adult.
- 160.052/264/0 Type II, Model LVCMD, child.
- 160.052/265/0 Type II, Model LCCSD, child.
- 160.052/378/0 Type II, Model LVD, adult.
- 160.052/379/0 Type II, Model LVCMD, child.
- 160.052/380/0 Type II, Model LCCSD, child.

Elvin Salow Co., 15 East St., Boston, MA 02211

- 160.052/168/0 Type II, Model PFA, adult.
- 160.052/169/0 Type II, Model PFM, child.
- 160.052/170/0 Type II, Model PFS, child.

Ero Industries, Inc., 8130 North Lehigh Ave., Morton Grove, IL 60053-2614

- 160.052/153/0 Type II, Model PVAII-3180, adult.
- 160.052/154/0 Type II, Model PVCMI-3185, child.
- 160.052/155/0 Type II, Model PVCSE-3190, child.
- 160.052/190/1 Type II, Model 4155, adult.
- 160.052/191/1 Type II, Model 4160, child.
- 160.052/192/1 Type II, Model 4165, child small.

Farber Brothers, Inc., 1324 Fairview Rd., Memphis, TN 38122

- 160.052/411/0 Model AP, adult.
- 160.052/412/0 Model CPM, child.
- 160.052/413/0 Model CPS, child.

Gentex Corp., Carbondale, PA 18407

- 160.052/46/0 Type II, Model 201-SH L-15.5, adult.
- 160.052/48/0 Type II, Model 202-SFL-11, child.
- 160.052/49/0 Type II, Model 203-SFL-7, child.
- 160.052/50/0 Type II, Model JPB-2, adult.
- 160.052/87/0 Type II, Model JPB-3, child.
- 160.052/125/0 Type I, Model AP, adult.
- 160.052/126/0 Type I, Model CPM, child.
- 160.052/127/0 Type I, Model CPS, child.
- 160.052/156/1 Type II, Model 511-U-15.5, adult.
- 160.052/157/1 Type II, Model 512-U-11, child.
- 160.052/158/1 Type II, Model 513-U-7, child.
- 160.052/231/0 Type II, Model SW-1, adult.
- 160.052/232/0 Type II, Model WW-2, child.
- 160.052/233/0 Type II, Model EW-3, child.
- 160.052/359/0 Type II, Adult Universal, Model 521UV.
- 160.052/360/0 Type II, C-M, Model 522UV.
- 160.052/361/0 Type II, C-S, Model 523UV.

Goodeaow Manufacturing, 1301 West 18th St., Erie, PA 16501

- 160.052/304/0 Type II, Model LV-A, adult.
- 160.052/305/0 Type II, Model LV-M, child.
- 160.052/306/0 Type II, Model LV-S, child.
- 160.052/401/0 Type II, Model BVA, adult.
- 160.052/402/0 Type II, Model BVM, child.
- 160.052/403/0 Type II, Model BVS, child.
- 160.052/404/0 Type II, Model L, adult, vinyl dip coating.
- 160.052/405/0 Type II, Model M, child medium, vinyl dip coating.

EQUIPMENT LISTS

160.052/406/0 Type II, Model S, child small, vinyl dip coating.

H. Wenzel Tent and Duck Co., 2200 South Hanley Rd., St. Louis, MO 63144

160.052/212/0 Type II, Model 01230, adult.

160.052/213/0 Type II, Model 01228, child.

160.052/214/0 Type II, Model 01229, child.

160.052/252/0 Type II, Model 01238, adult.

160.052/253/0 Type II, Model 01239, child.

160.052/273/0 Type II, Model 01240, child.

Hawkeye Sporting Goods Co., P.O. Box 613, Des Moines, IA 50302

160.052/4/0 Type I, Model AP, adult.

160.052/5/0 Type I, Model CPM, child.

160.052/6/0 Type I, Model CPS, child.

160.052/270/0 Type II, Model 500, adult.

160.052/271/0 Type II, Model 501, child.

160.052/272/0 Type II, Model 502, child.

Herter's Inc., Waseca, MN 56093

160.052/95/0 Type I, Model AP, adult.

160.052/96/0 Type I, Model CPM, child.

160.052/97/0 Type I, Model CPS, child.

Howard Zink Corp., Fremont, OH 43420

160.052/58/0 Type I, Model AP, adult.

160.052/59/0 Type I, Model CPM, child.

160.052/60/0 Type I, Model CPS, child.

160.052/64/0 Type I, Model AP, adult.

160.052/65/0 Type I, Model CPM, child.

160.052/66/0 Type I, Model CPS, child.

Huntsboro Oak Flooring Co., Inc., Huntsboro, AL 36860

160.052/352/0 Type II, Model SCBV, adult.

Hyman Co., Fremont, OH 43420

160.052/55/0 Type I, Model AP, adult.

160.052/56/0 Type I, Model CPM, child.

160.052/57/0 Type I, Model CPS, child.

International Cashion Co., 1110 NE Eighth Ave., Ft. Lauderdale, FL 33311

160.052/183/1 Model 300, adult.

160.052/184/1 Model 400, child.

160.052/185/1 Model 500, child.

Iowa Fiber Products, Inc., 316 Court Ave., Des Moines, IA 50309

160.052/1/0 Type I, Model AP, adult.

160.052/2/0 Type I, Model CPM, child.

160.052/3/0 Type I, Model CPS, child.

160.052/243/1 Type II, Model 500, adult.

160.052/244/1 Type II, Model 501, child.

160.052/245/1 Type II, Model 502, child.

160.052/319/0 Type II, Model LV-A, adult.

160.052/320/0 Type II, Model LV-M, child.

160.052/321/0 Type II, Model LV-S, child.

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J. C. Penney Co., Inc., 1301 Ave. of the Americas, New York, NY 10019
 160.052/292/0 Type II, Model AD, adult.
 160.052/293/0 Type II, Model MD, child.
 160.052/294/0 Type II, Model SD, child.

Jones & Yandell Div., American Teat Co., P.O. Box 270, Canton, MS 39046
 160.052/101/2 Type II, Model JV-L, adult.
 160.052/102/2 Type II, Model JV-M, child.
 160.052/103/2 Type II, Model JV-S, child.
 160.052/107/0 Type II, Model CG-L, adult.
 160.052/108/0 Type II, Model CG-M, child.
 160.052/109/0 Type II, Model CG-S, child.
 160.052/246/0 Type II, Model 66-L, adult.
 160.052/247/0 Type II, Model 66-M, child.
 160.052/248/0 Type II, Model 66-S, child.

Keat Sporting Goods Co., 433 Park Ave. South, State Route 60, New London, OH 44851
 160.052/234/1 Type II, Model ACFL, adult.
 160.052/235/1 Type II, Model CCFM, child.
 160.052/236/1 Type II, Model CCFS, child.

Liberty Cork Co., Inc., 123 Whitehead Ave., South River, NJ 08882
 160.052/92/0 Type I, Model AP, adult.
 160.052/93/0 Type I, Model CPM, child.
 160.052/94/0 Type I, Model CPS, child.

Liberty Distributors, 4300 North Fifth St., P.O. Box 95, Philadelphia, PA 19140
 160.052/208/0 Type II, Model SM 603, adult.

Lifo Products Co., 315 East 15th St., Covington, KY 42101
 160.052/40/0 Type I, Model AP, adult.
 160.052/41/0 Type I, Model CPM, child.
 160.052/42/0 Type I, Model CPS, child.

Martin Industries, P.O. Box 423, Clayton, AL 36016
 160.052/353/0 Type II, Model 700, adult.
 160.052/354/0 Type II, Model 690, child.
 160.052/355/0 Type II, Model 680, child.

Medalist Water Sports, 2600 Industrial St., P.O. Box 46, Leesburg, FL 32748
 160.052/414/0 Type II Buoyant Vest, Adult, Model AP.
 160.052/415/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model CPM.
 160.052/416/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model CPS.
 160.052/417/0 Type II PFD, Adult, Model AP.
 160.052/418/0 Type II PFD, Child Medium, Model CPM.
 160.052/419/0 Type II PFD, Child Small, Model CPS.
 160.052/431/0 Type II Boating Vest, Adult, Model 1000.
 160.052/432/0 Type II Boating Vest, Child Medium (50 to 90 lb.), Model 1000.
 160.052/433/0 Type II Boating Vest, Child Small (under 50 lb.), Model 1000.

Mermatec, Inc., 3332 Industrial Ct., San Diego, CA 92121
 160.052/328/0 Type II, Model AF, adult.
 160.052/329/0 Type II, Model CFM, child.
 160.052/330/0 Type II, Model CFS, child.
 160.052/387/0 Type II Buoyant Vest, Adult, Model AP.

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EQUIPMENT LISTS

160.052/388/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model CPM.
160.052/389/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model CPS.

Milco Marine Industries, 400 Thetford Ave., Brooklyn, NY 11212

160.052/260/0 Type II PFD, Model AU, adult.
160.052/261/0 Type II PFD, Model CUM, child med.
160.052/262/0 Type II PFD, Model CUS, child sm.
160.052/322/0 Type II, Model LVA-300, adult.
160.052/323/0 Type II, Model LVCM-200, child.
160.052/324/0 Type II, Model LVCS-100, child.
160.052/334/0 Type II, Model LV-A, adult.
160.052/335/0 Type II, Model LV-M, child.
160.052/336/0 Type II, Model LV-S, child.

Montgomery Ward & Co., Inc., 619 West Chicago Ave., Chicago, IL 60610

160.052/16/0 Type I, Model AP, adult.
160.052/17/0 Type I, Model CPM, child.
160.052/18/0 Type I, Model CPS, child.
160.052/150/0 Type II, Model "A" adult.
160.052/151/0 Type II, Model "M", child.
160.052/152/0 Type II, Model "S", child.
160.052/228/1 Type II, Model AD, adult.
160.052/229/1 Type II, Model MD, child.
160.052/230/1 Type II, Model SD, child.
160.052/400/0 Type II, Model "AD" adult.

National Canvas Products Corp., P.O. Box 1708, Central Station, Toledo, OH 43603

160.052/219/0 Type II, Model NC100, adult.
160.052/220/0 Type II, Model NC200, child.
160.052/221/0 Type II, Model NC300, child.

Nautical Products Corp., 130 Atlantic Ave., Brooklyn, NY 11201

160.052/144/0 Type II, Model UPA, adult.
160.052/145/0 Type II, Model UPM, child.
160.052/146/0 Type II, Model UPS, child.

New York Rubber Co., Swainsboro, GA 30401

160.052/81/0 Type I, Model AP, adult.
160.052/82/0 Type I, Model CPM, child.
160.052/83/0 Type I, Model CPS, child.

Noble Products Co., P.O. Box 327, Caldwell, OH 43724

160.052/98/0 Type I, Model AP, adult.
160.052/99/0 Type I, Model CPM, child.
160.052/100/0 Type I, Model CPS, child.
160.052/286/0 Type I, Model NP, adult.
160.052/287/0 Type I, Model MP, child.
160.052/288/0 Type I, Model OP, child.

Nova Products, Inc., P.O. Box 32, Carrollton, GA 30117

160.052/205/0 Type II, Model N100, adult.
160.052/206/0 Type II, Model N200, child.
160.052/207/0 Type II, Model N300, child.

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Nu-Way Sporting Goods Co., 708 Eighth St., Sioux City, IA 51102

160.052/51/0 Type II, Model AP, adult.

160.052/52/0 Type II, Model CPM, child.

160.052/53/0 Type II, Model CPS, child.

Outdoor Supply Co., Inc., Oxford, NC 27566

160.052/362/0 Type II, Model 245, adult.

160.052/363/0 Type II, Model 246-M, child.

160.052/364/0 Type II, Model 246-S, child.

160.052/384/0 Type II, Model OSA, adult.

160.052/385/0 Type II, Model OSM, child.

160.052/386/0 Type II, Model OSS, child.

Parkway Manufacturing Co., Third & Decatur Streets, Richmond, VA 23212

160.052/240/1 Type II, Model "A", adult.

160.052/241/1 Type II, Model "M", child.

160.052/242/1 Type II, Model "S", child.

Peoples Co., 712 Buffington St., Huntington, WV 25702

160.052/104/0 Type II, Model M-299, adult.

160.052/105/0 Type II, Model M-298, child.

160.052/106/0 Type II, Model M-297, child.

160.052/134/0 Type II, Model 399, adult.

160.052/135/0 Type II, Model 398, child.

160.052/136/0 Type II, Model 397, child.

Plott Manufacturing Co., P.O. Drawer 9038, Station A, Greenville, SC 29604

160.052/31/0 Type I, Model AP, adult.

160.052/32/0 Type I, Model CPM, child.

160.052/33/0 Type I, Model CPS, child.

160.052/128/1 Type II Buoyant Vest, Adult, Model FM300.

160.052/129/1 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model FM200.

160.052/130/1 Type II Buoyant Vest, Child Small (under 50 lb.), Model FM310.

160.052/177/0 Type II, Model DFM-300, adult.

160.052/178/0 Type II, Model DFM-320, child.

160.052/179/0 Type II, Model DFM-310, child.

160.052/277/1 Type II Buoyant Vest, Adult, Model SFM300.

160.052/278/1 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model SFM320.

160.052/279/1 Type II Buoyant Vest, Child Small (under 50 lb.), Model SFM310.

160.052/390/0 Type II, Model SFM-300-1, adult.

160.052/391/0 Type II, Model SFM-320-1, child.

160.052/392/0 Type II, Model SFM-310-1, child.

Protection Products Div., Ero Industries, Inc., 5940 West Touhy Ave., Chicago, IL 60648

160.052/70/0 Type II, Model LV-A, adult.

160.052/71/0 Type II, Model LV-CM, child.

160.052/72/0 Type II, Model LV-CS, child.

Red Head Brand Corp., 4949 Joseph Hardin Drive, Dallas, TX 75236

160.052/351/0 Type II, Model AE-1, adult.

160.052/375/0 Type II, Model AP-2, adult.

160.052/376/0 Type II, Model CPM-2, child.

160.052/377/0 Type II, Model CPS-2, child.

160.052/423/0 Type II Buoyant Vest, Adult, Model AP-2.

160.052/424/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model CPM-2.

160.052/425/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model CPS-2.

EQUIPMENT LISTS

Safeguard Corp., P.O. Box 14037, Cincinnati, OH 45214

- 160.052/22/0 Type I, Model AP, adult.
- 160.052/23/0 Type I, Model CPM, child.
- 160.052/24/0 Type I, Model CPS, child.
- 160.052/140/0 Type II Buoyant Vest, Adult, Model 390.
- 160.052/141/0 Type II Buoyant Vest, Child Medium (under 90 lb.), Model 391.
- 160.052/142/0 Type II Buoyant Vest, Child Small (under 90 lb.), Model 392.

Saint Croix Corp., Park Falls, WI 54552

- 160.052/113/0 Type II, Model 299, adult.
- 160.052/114/0 Type II, Model 298, child.
- 160.052/115/0 Type II, Model 297, child.
- 160.052/147/0 Type II, Model M-399, adult.
- 160.052/148/0 Type II, Model M-398, child.
- 160.052/149/0 Type II, Model M-397, child.

Sav-A-Life Industries, Inc., Div. of Land-o-Nod Co., 925 Northeast Broadway, Minneapolis, MN 55413

- 160.052/25/0 Type I, Model AP, adult.
- 160.052/26/0 Type I, Model CPM, child.
- 160.052/27/0 Type I, Model CPS, child.

Seamac Corp., 1505 Pere Marquette Bldg., New Orleans, LA 70150

- 160.052/266/0 Type II, Model 75-L adult.
- 160.052/267/0 Type II, Model 75-M child.
- 160.052/268/0 Type II, Model 75-S child.

Seams, Rosebuck and Co., Seams Tower, Dept. 606, Chicago, IL 60684

- 160.052/34/0 Type I, Model AP, adult.
- 160.052/35/0 Type I, Model CPM, child.
- 160.052/36/0 Type I, Model CPS, child.
- 160.052/37/0 Type I, Model AP, adult.
- 160.052/38/0 Type I, Model CPM, child.
- 160.052/39/0 Type I, Model CPS, child.
- 160.052/84/0 Type I, Model AP, adult.
- 160.052/85/0 Type I, Model CPM, child.
- 160.052/86/0 Type I, Model CPS, child.
- 160.052/122/0 Type II, Model 5650, adult.
- 160.052/123/0 Type II, Model 5651-M, child.
- 160.052/124/0 Type II, Model 5651-S, child.
- 160.052/209/0 Type II, Model 57003, adult.
- 160.052/210/0 Type II, Model 57004, child.
- 160.052/211/0 Type II, Model 57005, child.
- 160.052/215/0 Type II, Model SRA, adult.
- 160.052/216/0 Type II, Model SRM, child.
- 160.052/217/0 Type II, Model SRC-1, child.
- 160.052/218/0 Type II, Model SRC-2, child.
- 160.052/249/0 Type II, Model 57006, adult.
- 160.052/250/0 Type II, Model 57007, child.
- 160.052/251/0 Type II, Model 57008, child.
- 160.052/295/0 Type II, Model PVAII-3180, adult.
- 160.052/296/0 Type II, Model PVCMI-3185, child.
- 160.052/297/0 Type II, Model PVCSII-3190, child.
- 160.052/341/0 Type II Buoyant Vest, Adult, Model 63211.
- 160.052/342/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model 63212.
- 160.052/343/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model 63213.

FORMERLY APPROVED LIFESAVING EQUIPMENT

St. Paul and White Bear Ski Co., 440 Lakeview Ave., St., Paul, MN 55119

160.052/331/0 Type II PFD, Model 410 and LV-A, adult.

160.052/332/0 Type II PFD, Model 409 and LV-M, child.

160.052/333/0 Type II PFD, Model 308 and LV-S, child.

Stearns Manufacturing Co., 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302

160.052/7/0 Type I, Model AP, adult.

160.052/8/0 Type I, Model CPM, child.

160.052/9/0 Type I, Model CPS, child.

160.052/137/0 Type II, Model LG-97, adult.

160.052/138/0 Type II, Model LG-98M, child.

160.052/139/0 Type II, Model LG-98S, child.

Swan Products Co. Inc., 145-92 228th St., Springfield Gardens, NY 11413

160.052/372/0 Type II, Model 100, adult.

160.052/373/0 Type II, Model 200, child.

160.052/374/0 Type II, Model 300, child.

Tapasco, Inc., P.O. Box 49, Fairfield, CA 94533

160.052/180/1 Type II, Model 242, adult.

160.052/181/1 Type II, Model 244, child.

160.052/182/1 Type II, Model 244, child.

Texas Water Crafters, P.O. Drawer 539, Wichita Falls, TX 76307

160.052/340/0 Type II, Model BVA, adult.

Trigg Manufacturing Corp., P.O. Box 360, Cadiz, KY 42211

160.052/337/0 Type II, Model BP, adult.

160.052/338/0 Type II, Model BVA, adult.

160.052/339/0 Type II, Model BPS, child.

Tuffy Products Co., 540 West Third St., Bloomsburg, PA 17815

160.052/368/0 Type II, Model LJI, adult.

160.052/369/0 Type II, Model LJM, child.

160.052/370/0 Type II, Model LJS, child.

160.053 WORK VESTS, UNICELLULAR PLASTIC FOAM, TYPE V RESTRICTED USE PFDs

American Recreation Products, 4949 Joseph Hardin Drive, Dallas, TX 75236

160.053/27/0 Type V Work Vest, Adult.

Atlantic Pacific Mfg. Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104

160.053/7/1 Type V Work Vest, Adult, Model MIL-17.

160.053/23/1 Type V Work Vest, Adult, Model 8225.

160.053/26/0 Type V Work Vest, Adult, Model 8235.

160.053/29/1 Type V Work Vest, Adult.

160.053/58/1 Type V Work Vest, Adult, Model 82117.

Badgley Manufacturing Co., 1727 North Beaton, Portland, OR 97227

160.053/5/1 Type V PFD, Model 21CG.

Billy Pugh Co., Inc., 1510 North Broadway, P.O. Box 802, Corpus Christi, TX 78403

160.053/61/0 Type V non-standard Work Vest, Adult, Model 300.

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EQUIPMENT LISTS

Burlington Mills, Inc., Burlington, WI 53105
160.053/1/0 Work vest.
160.053/18/0 Model 701-VH-17.5.

Campco Ventures, Inc., Div. of American Recreation, 1891 Woolner Ave., Fairfield, CA 94533
160.053/4/1 Styles Nos. 228 and 229.

Crawford Manufacturing Co., Inc., Third & Decatur Streets, Richmond, VA 23212
160.053/14/0 Type V Work Vest, Adult.

Ero Industries, Inc., 8130 North Lehigh Ave., Morton Grove, IL 60053-2614
160.053/63/0 Type V Work Vest, Adult, Model WW-1A.

Ettinger Enterprises, Inc., 5310 Lance Drive, Knoxville, TN 37919
160.053/46/0 Type V Work Vest, Adult, Model 200.

Gentex Corp., Carbondale, PA 18407
160.053/10/1 Type V, Ad. Univ., Model 211-VF-17.5.
160.053/12/0 Type V Work Vest, Adult, Model 211-SF17.5.
160.053/19/1 Type V PFD, Model 712-VH-17.5.

Goodenow Manufacturing, 1301 West 18th Street, Erie, PA 16501
160.053/30/0 Model LPWV.

Jones & Yarnell Div., American Tent Co., P.O. Box 270, Canton, MI 39046
160.053/15/1 Model 77.

Minto Research & Development, Inc., 3676 Charmuse Dr., Redding, CA 96002
160.053/A20/0 Type V Work Vest, Adult, Model WV-2.

Omega Corp., 130 Condr Street, Boston, MA 02128
160.053/47/0 Type V Work Vest, Adult, Model 2445.

Outdoor Supply Co., Inc., Oxford, NC 27566
160.053/25/0 Work Vest, Models 228 & 229.

Plotl Manufacturing Co., P.O. Drawer 9038, Station A, Greenville, SC 29604
160.053/3/0 Type V, Ad. Univ., Model WV-2.
160.053/24/0 Type V, Ad. Univ., Model GC900.
160.053/37/0 Type V Work Vest, Adult, Model AF 600.

Protection Products Div., Ero Industries, Inc., 5940 West Touhy Ave., Chicago, IL 60648
160.053/2/5 Type V, Ad. Univ., Model WV-3.

Red Head Brand Corp., 4949 Joseph Hardin Drive, Dallas, TX 75236
160.053/28/0 Type V, cloth covered work vest.

Safety First Supply Corp., 526 Island Ave., McKees Rocks, PA 15236
160.053/9/0 Work Vest.
160.053/13/0 Type V Work Vest, Adult, Model 641.

Seamac Corp., 1505 Pore Marquette Bldg., New Orleans, LA 70150
160.053/16/1 Model 100.

Sparkle Star, Inc., P.O. Box 1498, St. Cloud, MN 56301
160.053/21/0 Type V Work Vest, Adult, Model WV-2.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Stearns Manufacturing Company, 300k & Division Streets, Post Office Box 1498, St. Cloud, MN 56302
 160.053/48/2 Model IFS-580, Adult Small, cloth covered unicellular plastic foam "INDUSTRIAL FLOTATION SUIT", Type V PFD.
 160.053/49/2 Model IFS-580, Adult Medium, cloth covered unicellular plastic foam "INDUSTRIAL FLOTATION SUIT", Type V PFD.
 160.053/50/2 Model IFS-580, Adult Large, cloth covered unicellular plastic foam "INDUSTRIAL FLOTATION SUIT", Type V PFD.
 160.053/51/2 Model IFS-580, Adult X-Large, cloth covered unicellular plastic foam "INDUSTRIAL FLOTATION SUIT", Type V PFD.
 160.053/52/2 Model IFS-580, Adult XX-Large, cloth covered unicellular plastic foam "INDUSTRIAL FLOTATION SUIT", Type V PFD.
 160.053/53/1 Type V Industrial Flotation Jacket, Adult Small, Model IFJ-550.
 160.053/54/1 Type V Industrial Flotation Jacket, Adult Medium, Model IFJ-550.
 160.053/55/1 Type V Industrial Flotation Jacket, Adult Large, Model IFS-580.
 160.053/56/1 Type V Industrial Flotation Jacket, Adult X-Large, Model IFJ-550.
 160.053/57/1 Type V Industrial Flotation Jacket, Adult XX-Large, Model IFJ-550.
 160.053/68/0 Type V Industrial Flotation Suit, Adult X-Small, Model IFS-580.

Taylor, Inc., 16152 E Club Deluxe Rd., Hammond, LA 70403
 160.053/59/0 Type V Work Vest, Adult, Model WV-3.

Trigg Manufacturing Corp., P.O. Box 360, Cadiz, KY 42211
 160.053/22/0 Work vest.

160.054 KITS, FIRST-AID, INFLATABLE LIFE RAFT

A. E. Halperin Co., Inc., 716 Columbus Ave., Roxbury, MA 02116
 160.054/2/0 Model H-12.

E. D. Ballard Co., 2680 Bridgway, Sausalito, CA 94965
 160.054/4/1 Model M-3.

Marion Laboratories, Inc., Pharmaceutical Div., Kansas City, MO 64137
 160.054/1/0 Model No. 729.

Pac-Kit Safety Equipment Div., K. W. Griffin Co., 100 Pearl St., Norwalk, CT 07850
 160.054/5/0 Model No. 12 L.R.

160.055 LIFE PRESERVERS, UNICELLULAR PLASTIC FOAM, ADULT AND CHILD, TYPE I, OR TYPE V RESTRICTED USE PFDs

American Pad and Textile Co., Greenfield, OH 45123
 160.055/16/0 Model 210, Adult, cloth covered.
 160.055/17/0 Model 211, Child, cloth covered.

Atlantic Pacific Mfg. Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104
 160.055/14/1 Model PFF-A, Adult, cloth covered.
 160.055/15/1 Model PFF-C, Child, cloth covered.
 160.055/18/0 Model 8103, Adult, cloth covered.
 160.055/19/0 Model 8194, Child, cloth covered.
 160.055/20/1 Model DFA, Adult, vinyl-dipped.
 160.055/21/1 Model DFC, Child, vinyl-dipped.
 160.055/22/0 Model 8123, Adult.
 160.055/50/0 Life Preserver Adult, Model 62.
 160.055/51/0 Life Preserver Child (under 90 lb.), Model 66.
 160.055/52/0 Life Preserver Adult, Model 63.

160.055/53/0 Life Preserver Child (under 90 lb.), Model 67.
 160.055/54/1 Life Preserver Adult, Model 8130.
 160.055/55/1 Life Preserver Child (under 90 lb.), Model 8131.
 160.055/56/1 Life Preserver Adult, Model 8115.
 160.055/57/0 Life Preserver Child (under 90 lb.), Model 8116.
 160.055/76/0 Model 8121-A, Adult, vinyl dipped.
 160.055/77/0 Model 8122-A, Child, vinyl dipped.
 160.055/78/0 Model 8123-A, Child, vinyl dipped.
 160.055/81/0 Model 8115, Adult, cloth covered.
 160.055/82/0 Model 8116, Child, cloth covered.
 160.055/100/0 Life Preserver Adult, Model 8145.
 160.055/103/0 Life Preserver Adult, Model 8125.
 160.055/104/0 Life Preserver Child (under 90 lb.), Model 8126.
 160.055/111/0 Type I Life Preserver, Adult Universal, Model 81503.
 160.055/112/0 Type I Life Preserver, Child (under 90 lb.), Model 81513.
 160.055/121/1 Type I Life Preserver, Adult Universal, Model 81403.
 160.055/122/0 Type I Life Preserver, Child (under 90 lb.), Model 81413.

Billy Boy Products Div., 144 South Main St., Montgomery, MI 49255

160.055/28/0 Adult, Model GM-14A.
 160.055/29/0 Child, Model GM-14C.
 160.055/66/0 Adult, Model 63.
 160.055/67/0 Child, Model 67.

Cal-June Corp., P.O. Box 9551, North Hollywood, CA 91609-1551

160.055/108/0 PFD Model 601, Adult, vinyl coated.
 160.055/109/0 PFD Model 603, Child, vinyl coated.

Campco Ventures, Inc., Div. of American Recreation, 1891 Woolner Ave., Fairfield, CA 94533

160.055/60/0 PFD Model 67, Child, cloth covered.
 160.055/61/0 PFD Model 63, Adult, cloth covered.

Crawford Manufacturing Co., Inc., Third & Decatur Streets, Richmond, VA 23212

160.055/58/0 Adult, Model 62.
 160.055/59/0 Child, Model 66.
 160.055/68/0 PFD Model 63, Adult, cloth covered.
 160.055/69/0 PFD Model 67, Child, cloth covered.

Ero Industries, Inc., 8130 North Lehigh Ave., Morton Grove, IL 60053-2614

160.055/138/0 Type V Commercial Whitewater Vest, Adult, Model WW-1.

Gentex Corp., Carbondale, PA 18407

160.055/7/0 Life Preserver Adult, Model 611-M-22.
 160.055/8/0 Life Preserver Child, Model 602-M-11.
 160.055/79/0 Life Preserver Adult, Model 501-U-22.
 160.055/80/0 Life Preserver Child (under 90 lb.), Model 501-U-11.
 160.055/98/0 Life Preserver (white), Adult, Model 501-U-22.
 160.055/99/0 Life Preserver (white), Child (under 90 lb.), Model 501-U-11.

Goodenow Mfg., 1301 West 18th St., Erie, PA 16501

160.055/85/0 PFD Model 62, Adult, vinyl dip coated.
 160.055/86/0 PFD Model 66, Child, vinyl dip coated.

International Cushion Co., 1110 NE Eighth Ave., Ft. Lauderdale, FL 33311

160.055/24/0 Model 303, Adult, cloth covered.
 160.055/25/0 Model 305, Child, cloth covered.

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.055/62/0 PFD Model 63, Adult cloth covered.
160.055/63/0 PFD Model 67, Child cloth covered.

Jones & Yarnell Div., American Teat Co., P.O. Box 270, Canton, MS 39046
160.055/11/1 Model 88-A, Adult, vinyl dipped.
160.055/12/1 Model 88-C, Child, vinyl dipped.

Liberty Cork Co., Inc., 123 Whitehead Ave., South River, NJ 08882
160.055/72/0 Model 63, Adult, cloth covered.
160.055/73/0 Model 67, Child, cloth covered.

Maravia Corp., P.O. Box 404, Boise, ID 83701
160.055/102/1 Type V White Water Jacket, Adult Universal, Model 401025.
160.055/107/0 Type V Commercial White Water, Ch., Model 40-1035.

Milco Marine Industries, 400 Thetford Ave., Brooklyn, NY 11212
160.055/37/0 Life Preserver Adult, Model 301.
160.055/38/0 Life Preserver Child, Model 302.
160.055/39/0 Life Preserver Child, Model 303.

Outdoor Supply Co., Inc., Oxford, NC 27566
160.055/83/0 Life Preserver Child (under 90 lb.), Model 67.
160.055/84/0 Life Preserver Adult, Model 63.

Ploti Manufacturing Co. (formerly Paris Southern, Gladding Corp., and Style-Crafters), P.O. Drawer 9038, Station A, Greenville, SC 29604
160.055/1/0 Life Preserver Adult, Model 700.
160.055/2/0 Life Preserver Child, Model 710.
160.055/70/0 Adult, Model 63.
160.055/71/0 Life Preserver Child, Model 67.
160.055/74/0 Adult, Model 62.
160.055/75/0 Adult, Model 66.

Protection Products Div., Ero Industries, Inc., 5940 West Touhy Ave., Chicago, IL 60648
160.055/5/0 Ad. Univ., dwg. LVM-1.
160.055/6/0 Child, dwg. LVM-5.

R. Perry & Co. Ltd., Monks Ferry Works, 90 Church St., Birkenhead, England L41 5EQ
160.055/128/0 Type V Life Preserver, Adult Universal.

The Safeguard Corp., PO Box 2004, Covington, KY 41012
160.055/132/0 Type V White Water Rafters Vest, Adult Universal, Model 200.
160.055/133/0 Type V White Water Rafters Vest, Child Medium (50 to 90 lb.), Model 201.

Taylorco, Inc., 16152 E Club Deluxe Rd., Hammond, LA 70403
160.055/96/0 Type I Life Preserver, Adult Universal.

Universal Oil Products Co., Aerospace Div., Bantam, CT 06750
160.055/101/0 Model 74347-1, Adult, vinyl dip coated micellular plastic foam life preserver, TYPE I PFD.

West Products Co., P.O. Box 707, Newark, NJ 07101
160.055/92/0 Model 63, Adult, cloth covered.
160.055/93/0 Model 67, Child, cloth covered.

EQUIPMENT LISTS

160.057 SIGNALS, DISTRESS, FLOATING ORANGE SMOKE (15 MINUTE)

Kilgore Corp., Bradford Road, Toome, TN 38381-0099
160.057/3/1 Floating orange smoke 15-minute distress signal, manufactured by Kilgore Corporation.

160.058 DESALTER KITS, SEA WATER

Revere Survival Products Co., Inc., 603-607 West 29th Street, New York, NY 10001
160.058/4/0 Type 183.

Van Brode Milling Co., Inc., Clinton, MA 01510
160.058/2/0 Mark 2, Type VB-101B.

160.060 BUOYANT VESTS, UNICELLULAR POLYETHYLENE FOAM, TYPE II PFDs

America's Cup, Inc., PO Box 2009, La Puente, CA 91746-0009
160.060/A29/0 Type II General Purpose Vest, Child Medium (50 to 90 lb.), Model AY-0-1.
160.060/A30/0 Type II General Purpose Vest, Child Small (under 50 lb.), Model AY-0-2.
160.060/A53/0 Type II General Purpose, Adult Universal, Model AY-0-3.
160.064/A1789/0 Type IV Buoyant Device, 15"x15"x2-1/2", Model PV-A-3.

Atlantic Pacific Mfg. Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104
160.060/19/0 Type II Buoyant Vest, Adult Universal, Model UPA.
160.060/20/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model UPM.
160.060/21/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model UPS.
160.060/55/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model PPS.
160.060/56/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model PPM.
160.060/57/0 Type II Buoyant Vest, Adult Universal, Model PPA.

Crawford Manufacturing Co., Inc., Third & Decatur Streets, Richmond, VA 23212
160.060/1/0 Type II, Model AE, Adult.
160.060/2/0 Type II, Model ME, Child.
160.060/3/0 Type II, Model SE, Child.

Ero Industries, Inc., 8130 North Lehigh Ave., Morton Grove, IL 60053-2614
160.060/52/0 Type II Buoyant Vest, Infant (under 50 lb.), Model Little 1.
160.060/54/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model KS2.
160.060/62/0 Type II General Purpose Vest, Infant (under 50 lb.), Model KS.
160.060/67/0 Model ICS, Infant Child Small, "GENERAL PURPOSE VEST", Type II PFD.

J. C. Peasey Co., Inc., 1301 Ave. of the Americas, New York, NY 10019
160.060/7/0 Type II, Model AE, Adult.
160.060/8/0 Type II, Model ME, Child.
160.060/9/0 Type II, Model SE, Child.

Kent Sporting Goods Co., 433 Park Avenue S, State Route 60, New London, OH 44851
160.060/41/1 Model CSF-1, Child Small, "BUOYANT VEST", TYPE II PFD.

Medalist Water Sports, 2600 Industrial St., P.O. Box 46, Leesburg, FL 32748
160.060/31/0 Type II Boating Vest, Adult, Model 1000.
160.060/32/0 Type II Boating Vest, Child Medium (50 to 90 lb.), Model 1000.
160.060/33/0 Type II Boating Vest, Child Small (under 50 lb.), Model 1000.

Miltco Marine Industries, 400 Thetford Ave., Brooklyn, NY 11212
160.060/37/0 Type II Buoyant Vest, Adult, Model 301.
160.060/38/0 Type II Buoyant Vest, C-M, Model 302.
160.060/39/0 Type II Buoyant Vest, C-S, Model 303.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Montgomery Ward & Co., Inc., 619 West Chicago Ave., Chicago, IL 60610
 160.060/4/0 Type II Buoyant Vest, Adult, Model AE.
 160.060/5/0 Type II Buoyant Vest, Child, Model ME.
 160.060/6/0 Type II Buoyant Vest, Child, Model SE.

Plott Manufacturing Co. (formerly Paris Southern, Gladding Corp., and Style-Crafters), P.O. Drawer 9038, Station A, Greenville, SC 29604
 160.060/28/0 Type II, Ad. Univ., Model AF300.
 160.060/29/0 Type II General Purpose Vest, Child Medium (50 to 90 lb.), Model AF320.
 160.060/30/0 Type II General Purpose Vest, Child Small (under 50 lb.), Model AF310.
 160.060/53/0 Type II General Purpose, Adult Universal, Model AF300A.
 160.060/71/0 Model AF310-A, Child Small (for persons weighing less than 50 lbs), cloth-covered unicellular polyethylene foam "BUOYANT VEST", Type II PFD.
 160.060/72/0 Model AF320-A, Child Medium (for persons weighing 50 - 90 lbs), cloth-covered unicellular polyethylene foam "BUOYANT VEST", Type II PFD.
 160.060/73/0 Model AF300-B, Adult Universal (for persons more than 90 lbs), cloth-covered unicellular polyethylene foam "BUOYANT VEST", Type II PFD.

Red Head Brand Corp., 4949 Joseph Hardin Drive, Dallas, TX 75236
 160.060/25/0 Type II Buoyant Vest, Adult, Model AY-2.
 160.060/26/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model CYM-2.
 160.060/27/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model CYS-2.

Safeguard Corp., P.O. Box 14037, Cincinnati, OH 45214
 160.060/49/0 Type II Buoyant Vest, 30"-52" Adult, Model AP-3.

Tapasco, Inc., P.O. Box 49, Fairfield, CA 94533
 160.060/10/0 Type II, Model 247, Adult.
 160.060/11/0 Type II, Model 248-M, Child.
 160.060/12/0 Type II, Model 248-S, Child.

160.061 FISHING TACKLE KITS, EMERGENCY

Emge Aviation Marine Products, Inc., Langhorne, PA 19047
 160.061/5/0 Emergency fishing tackle kit.

Van Brode Milling Co., Inc., Clinton, MA 01510
 160.061/3/0 Model VB-102.

160.062 HYDRAULIC RELEASE

Raftco Hendry Manufacturing Co., 12-A Panama Way, Novato, CA 94947
 160.062/2/1 Arrow Model 404.

160.063 LAUNCHING DEVICE FOR INFLATABLE LIFE RAFTS

Harding Safety A/S, N-5470 Rosendal, Norway
 160.063/11/0 Type SJA-30-021 slewing-arm and Type SWM-03-030 winch; 4,620 lb., one-part fall.

160.064 MARINE BUOYANT DEVICES, TYPES II, III, AND IV PFDs, AND TYPE V RESTRICTED USE PFDs

A B Sea Ltd., P.O. Box 9364, Denver, CO 80209
 160.064/673/0 Type III PFD, Adult, small, Model S.
 160.064/674/0 Type III PFD, Adult, medium, Model S.
 160.064/675/0 Type III PFD, Adult, large, Model S.

W-100

EQUIPMENT LISTS

160.064/1062/0 Type III PFD, Adult, Model No. C.
160.064/1095/0 Type III PFD, Adult, Model No. K.

Almarin USA, Inc., 1206-08 Sunset Dr., Thomasville, GA 31792
160.064/1943/0 Type III Float Coat, Adult XXX-Large, Model U-00-1.
160.064/1944/0 Type III Float Coat, Adult XX-Large, Model U-00-1.
160.064/1945/0 Type III Float Coat, Adult X-Large, Model U-00-1.
160.064/1946/0 Type III Float Coat, Adult Large, Model U-00-1.
160.064/1947/0 Type III Float Coat, Adult Medium, Model U-00-1.
160.064/1948/0 Type III Float Coat, Adult Small, Model U-00-3.
160.064/2012/0 Type III Buoyant Vest, Adult Small, Model U-01-4.
160.064/2013/0 Type III Buoyant Vest, Adult Medium, Model U-01-2.
160.064/2014/0 Type III Buoyant Vest, Adult Large, Model U-01-2.
160.064/2015/0 Type III Buoyant Vest, Adult X-Large, Model U-01-2.
160.064/2016/0 Type III Buoyant Vest, Adult XX-Large, Model U-01-2.
160.064/2017/0 Type III Buoyant Vest, Adult XXX-Large, Model U-01-2.

America's Cap, Inc., P.O. Box 2009, La Puente, CA 91746-0009
160.064/219/1 Type III Yachting/Buoyant Vest, Adult Medium, Model 101, 101B, 101C.
160.064/220/1 Type III Yachting/Buoyant Vest, Adult Large, Model 101, 101B, 101C.
160.064/400/0 Type III Yachting/Buoyant Vest, Child Small (under 50 lb.), Model 101.
160.064/401/0 Type III Yachting/Buoyant Vest, Youth Medium (50-90 lb.), Model 101.
160.064/402/0 Type III Yachting/Buoyant Vest, Adult Small, Model 101, 101B, 101C.
160.064/403/0 Type III Yachting/Buoyant Vest, Adult X-Large, Model 101, 101B, 101C.
160.064/887/0 Model No. 606, Adult.
160.064/888/0 Model No. 606, Adult.
160.064/889/0 Model No. 606, Adult.
160.064/890/0 Model No. 606, Adult.
160.064/1306/0 Type III Canoe/Kayak Vest, Adult Small/Medium, Model 303.
160.064/1307/0 Type III Canoe/Kayak Vest, Adult Large/X Large, Model 303.
160.064/1511/0 Type III Buoyant Vest, Adult Small/Medium, various models.
160.064/1512/0 Type III Buoyant Vest, Adult Large/X-Large, various models.
160.064/1536/0 Type III Buoyant Vest, Adult Small, Model 505X.
160.064/1537/0 Type III Buoyant Vest, Adult Medium, Model 505X.
160.064/1538/0 Type III Buoyant Vest, Adult Large, Model 505X.
160.064/1539/0 Type III Buoyant Vest, Adult X-Large, Model 505X.
160.064/1691/0 Type III Buoyant Vest, Youth (50 to 90 lb.), Model 909.
160.064/1833/0 Type III Buoyant Vest, Adult Small, Model 803B.
160.064/1834/0 Type III Buoyant Vest, Adult Medium, Model 803B.
160.064/1835/0 Type III Buoyant Vest, Adult Large, Model 803B.
160.064/1836/0 Type III Buoyant Vest, Adult X-Large, Model 803B.
160.064/1907/1 Model 90T, Toddler, "BUOYANT VEST", Type II PFD.
160.064/1910/0 Model 909, Child Small, "BUOYANT VEST", Type III PFD.
160.064/1911/0 Type III Buoyant Vest, Youth (50 to 90 lb.), Model 909.
160.064/1912/0 Type III Buoyant Vest, Adult Small/Medium, Model 909.
160.064/1913/0 Type III Buoyant Vest, Adult Large/X-Large, Model 909.
160.064/2049/0 Type III Youth 22"-28" (50 to 90 lb.), Model 300.
160.064/2050/0 Type III Adult 28"-32", Model 300.
160.064/2051/0 Type III Adult 34"-38", Model 300.
160.064/2052/0 Type III Adult 40"-44", Model 300.
160.064/2053/0 Type III Adult 46"-56", Model 300.
160.064/2109/0 Type III Buoyant Vest, Adult XX-Large, Model 808/908/201/805/01.
160.064/2125/0 Type III Buoyant Vest, Adult Small, Model 110.

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- 160.064/2126/0 Type III Buoyant Vest, Adult Medium, Model 110.
- 160.064/2127/0 Type III Buoyant Vest, Adult Large, Model 110.
- 160.064/2128/0 Type III Buoyant Vest, Adult X-Large, Model 110.
- 160.064/2129/0 Type III Buoyant Vest, Adult XX-Large, Model 110.
- 160.064/2149/0 Type III Buoyant Vest, Adult Small/Medium, Model 901, 902, or 903.
- 160.064/2150/0 Type III Buoyant Vest, 42"-50" Adult, Model 901, 902, or 903.
- 160.064/2272/0 Type III Buoyant Vest, Adult Univ., Model 901, 902, 903, or 906.
- 160.064/2295/0 Type III Buoyant Vest, 30"-34" Adult, Model 830L.
- 160.064/2296/0 Type III Buoyant Vest, Adult 34"-38", Model 830L.
- 160.064/2297/0 Type III Buoyant Vest, Adult 38"-42", Model 830L.
- 160.064/2298/0 Type III Buoyant Vest, 32"-36" Adult, Model 850, 830M.
- 160.064/2299/0 Type III Buoyant Vest, Adult 36"-40", Model 850M, 830M.
- 160.064/2300/0 Type III Buoyant Vest, Adult 40"-44", Model 850M, 830M.
- 160.064/2301/0 Type III Buoyant Vest, Adult 44"-50", Model 850M, 830M.
- 160.064/2381/1 Model 900C, Child Small, "BUOYANT VEST", Type II PFD.
- 160.064/3002/0 Model 900T, Toddler, "BUOYANT VEST", Type II PFD.

American Marine Products, 240 Shore Drive, Hinsdale, IL 60521

- 160.064/435/0 Type II, A-XL, Model ACG800.
- 160.064/436/0 Type II, A-L, Model ACG700.
- 160.064/437/0 Type II, A-M, Model ACG650.
- 160.064/656/0 Type III, A-M, Model 1000.
- 160.064/657/0 Type III, A-L, Model 2000.
- 160.064/676/0 Type IV, Ring Buoy, Model 8404.
- 160.064/691/0 Type III, C-M, Model ACG 400.
- 160.064/816/0 Type IV, Ring Buoy, 18 in, Model RB-18.
- 160.064/820/0 Type III, A-S, Model CG-650.
- 160.064/821/0 Type III, A-M, Model CG-1500.
- 160.064/822/0 Type III, A-L, Model CG-2500.
- 160.064/870/0 Type III, A-M, Model CG-1500.
- 160.064/871/0 Type III, A-L, Model FJ-15.
- 160.064/872/0 Type III, A-XL, Model FJ-20.
- 160.064/873/0 Type III, A-S, Model FJ-5.
- 160.064/1006/0 Type III, Adult, Model ACG-900.
- 160.064/1008/0 Type III, A-S, Model EBS-200.
- 160.064/1009/0 Type III, A-M, Model EBM-200.
- 160.064/1010/0 Type III, A-L, Model EBL-200.
- 160.064/1011/0 Type III, A-XL, Model EBXL-200.
- 160.064/1012/0 Type III Ski Vest, Adult Small, Model WSS-100.
- 160.064/1013/0 Type III Ski Vest, Adult Medium, Model WSM-100.
- 160.064/1014/0 Type III Ski Vest, Adult Large, Model WSL-100.
- 160.064/1015/0 Type III Ski Vest, Adult X-Large, Model WSXL-100.
- 160.064/1046/0 Type III, Adult, Model ACG-601.
- 160.064/1047/0 Type III, Adult, Model ACG-701.
- 160.064/1048/0 Type III, Adult, Model ACG-801.
- 160.064/1135/0 Type IV, 18.5 in, Ring Buoy, Model RB-18.
- 160.064/1341/0 Type III, A-L, Model 901.

American Recreation Products, 4949 Joseph Hardin Drive, Dallas, TX 75236

- 160.064/47/0 Type III PFD, Model 6750, Child medium.
- 160.064/48/0 Type III PFD, Model 6751, Adult small.
- 160.064/49/0 Type III PFD, Model 6752, Adult medium.
- 160.064/50/0 Type III PFD, Model 6753, Adult large.

160.064/308/0 Type III, Ad. Sm. Model 6260.
 160.064/309/0 Type III, Ad. Med. Model 6260.
 160.064/316/0 Type III, A-L, Model 6260.
 160.064/317/0 Type III, Ad. XLg. Model 6260.
 160.064/343/0 Adult small, Model No. 6270, Type III PFD.
 160.064/344/0 Adult medium, Model No. 6270, Type III PFD.
 160.064/345/0 Adult large, Model No. 6270, Type III PFD.
 160.064/346/0 Adult X-large, Model No. 6270, Type III PFD.
 160.064/347/0 Adult XX-large, Model No. 6270, Type III PFD.
 160.064/413/0 Type III, Ch. Med. Model 6754.
 160.064/414/0 Type III, Ad. Sm. Model 6755.
 160.064/415/0 Type III, Ad. Med. Model 6756.
 160.064/416/0 Type III, Ad. Lg. Model 6757.
 160.064/417/0 Type III, Ad. XLg. Model 6758.
 160.064/609/0 Type III, C-S, Model BV-1.
 160.064/610/0 Type III, C-M, Model BV-1.
 160.064/611/0 Type III, A-S, Model BV-1.
 160.064/612/0 Type III, A-M, Model BV-1.
 160.064/613/0 Type III, A-L, Model BV-1.
 160.064/614/0 Type III, A-XL, Model BV-1.
 160.064/615/0 Type III, A-XXL, Model BV-1.
 160.064/982/0 Type III, Ch. Sm. Model BV-2.
 160.064/983/0 Type III, Ch. Med. Model BV-2.
 160.064/984/0 Type III, Ad. Univ. Model BV-2.
 160.064/985/0 Type III, Ad. Univ. Model BV-2.
 160.064/986/0 Type III, Ad. Univ. Model BV-2.
 160.064/987/0 Type III, Ad. Univ. Model BV-2.
 160.064/988/0 Type III, Ad. Univ. Model BV-2.
 160.064/1147/0 Type III, Ad. Univ. Model 6760.
 160.064/1328/0 Type III, Ch. Med. Model 754.
 160.064/1329/0 Type III, Ad. Sm. Model 755.
 160.064/1330/0 Type III, Ad. Med. Model 756.
 160.064/1331/0 Type III, Ad. Lg. Model 757.
 160.064/1332/0 Type III, Ad. Lg. Model 758.
 160.064/1333/0 Type III, Ad. Univ. Model 759.
 160.064/1625/0 Type III, Ch. Med. Model 6754A.
 160.064/1626/0 Type III, Ad. Model 6755A.
 160.064/1627/0 Type III, Ad. Model 6756A.
 160.064/1628/0 Type III, Ad. Model 6757A.
 160.064/1629/0 Type III, Ad. Model 6758A.
 160.064/1863/0 Type III Buoyant Vest, Adult Universal, Model BV-3.
 160.064/1993/0 Type IV Buoyant Cushion 15"x15", Model BC-3.
 160.064/2024/0 Type III Buoyant Vest, Child Medium (50-90 lb.), Model BV-3.
 160.064/2025/0 Type III Buoyant Vest, Child Small (30-50 lb.), Model BV-3.
 160.064/2351/0 Type III Buoyant Vest, Child Small (30-50 lb.), Model BV-4.
 160.064/2352/0 Type III Buoyant Vest, Child Medium/Youth (50-90 lb.), Model BV-4.
 160.064/2353/0 Type III Buoyant Vest, Adult Small/Medium, Model BV-4.
 160.064/2354/0 Type III Buoyant Vest, Adult Large/X-Large, Model BV-4.
 160.064/2355/0 Type III Buoyant Vest, Adult XX-Large, Model BV-4.
 160.064/2356/0 Type II Buoyant Vest, Toddler (under 50 lb.), Model BV-4.
 160.064/2538/0 Type III Buoyant Vest, Child 19"-24" (30-50 lb.), Model BV-3C.
 160.064/2539/0 Type III Buoyant Vest, Child 19"-24" (30-50 lb.), Model BV-4C.
 160.064/2540/0 Type III Buoyant Vest, Adult 28"-32", Model BV-6.

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- 160.064/2541/0 Type III Buoyant Vest, Adult 32"-36", Model BV-6.
 160.064/2542/0 Type III Buoyant Vest, Adult 36"-40", Model BV-6.
 160.064/2543/0 Type III Buoyant Vest, Adult 40"-44", Model BV-6.
 160.064/2544/0 Type III Buoyant Vest, Adult 44"-48", Model BV-6.
 160.064/2545/0 Type III Buoyant Vest, Adult 48"-52", Model 1 BV-6.
 160.064/2546/0 Type III Buoyant Vest, Adult 28"-32", Model BV-7.
 160.064/2547/0 Type III Buoyant Vest, Adult 32"-36", Model BV-7.
 160.064/2548/0 Type III Buoyant Vest, Adult 36"-40", Model BV-7.
 160.064/2549/0 Type III Buoyant Vest, Adult 40"-44", Model BV-7.
 160.064/2550/0 Type III Buoyant Vest, Adult 44"-48", Model BV-7.
 160.064/2551/0 Type III Buoyant Vest, Adult 48"-52", Model BV-7.
- American Water Ski Association, Winter Haven, FL 33880
 160.064/695/0 Type III, Child XXS, Model CGJ 700.
 160.064/696/0 Type III, Child XS, Model CGJ 700.
 160.064/697/0 Type III, Child Lg, Model CGJ 700.
 160.064/698/0 Type III, Adult Med, Model CGJ 700.
 160.064/699/0 Type III, Adult Lg., Model CGJ 700.
 160.064/700/0 Type III, Adult XLg., Model CGJ 700.
- AMF Voit, Inc., 3801 South Harbor Blvd., Santa Ana, CA 92702
 160.064/214/0 Type III Ski & Sport Safety Vest, Child Small, Model VX80-XS.
 160.064/215/0 Type III Ski & Sport Safety Vest, Child Small, Model VX80-S/M.
 160.064/216/0 Type III Ski & Sport Safety Vest, Adult, Model VX80-M/L.
 160.064/217/0 Type III Ski & Sport Safety Vest, Adult, Model VX80-L/XL.
 160.064/281/0 Type III Water Ski Vest, Child Medium, Model VX75CG-S.
 160.064/282/0 Type III Water Ski Vest, Adult, Model VX75CG-M.
 160.064/283/0 Type III Water Ski Vest, Adult, Model VX75CG-L.
 160.064/284/0 Type III Water Ski Vest, Adult, Model VX75CG-XL.
 160.064/285/0 Type III Water Ski Vest, Adult, Model VX75CG-SXL.
 160.064/286/0 Type III Water Ski Vest, Ladies Adult, Model VX75CG.
 160.064/540/0 Type III Swim Vest, Child Small, Model VX75 CG P.
 160.064/541/0 Type III Swim Vest, Child Small, Model VX75 CG J.
 160.064/644/0 Type III Water Ski Vest, Child Medium, Model VX75CG-XS.
 160.064/745/0 Type III Buoyant Vest, Adult Small, Model VNCG.
 160.064/746/0 Type III Buoyant Vest, Adult Medium, Model VNCG.
 160.064/747/0 Type III Buoyant Vest, Adult Large, Model VNCG.
 160.064/748/0 Type III Buoyant Vest, Adult X-Large, Model VNCG.
- Aquality, Inc., 8938 Mason Ave., Chatsworth, CA 91311
 160.064/14/0 Type IV Ring Buoy, 18-1/2" Model A1820.
- Atlantic Pacific Mfg. Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104
 160.064/25/1 Type IV Max Overboard Buoy, 18" Model 818.
 160.064/45/0 Adult, Model No. 4215.
 160.064/46/1 Type IV Horseshoe Life Buoy 23" x 23", Model 770D or 8425.
 160.064/67/0 Type IV Horseshoe Life Buoy 19" x 20", Model 8427.
 160.064/334/0 Type III PFD, Child med., Model No. 911S.
 160.064/335/0 Type III PFD, Child med., Model No. 912M.
 160.064/336/0 Type III PFD, Adult, Model No. 913L.
 160.064/342/0 Type IV Horseshoe Buoy 23" x 23", Model 710E.
 160.064/349/0 Type III PFD, Child med., Model No. 321-C.
 160.064/350/0 Type III PFD, Adult small, Model No. 322-S.
 160.064/351/0 Type III PFD, Adult medium, Model No. 323-M.

EQUIPMENT LISTS

160.064/352/0 Type III PFD, Adult large, Model No. 324-L.
 160.064/1126/0 Type IV Man Overboard Buoy 19", Model 819XX.
 160.064/1145/0 Type IV Buoyant Cushion 15" x 15", Model P.
 160.064/1153/0 Type III Yachting Vest, Adult Small, Model YV-S.
 160.064/1154/0 Type III Yachting Vest, Adult Medium, Model YV-M.
 160.064/1155/0 Type III Yachting Vest, Adult Large, Model YV-L.
 160.064/1156/0 Type III Yachting Vest, Adult X-Large, Model YV-XL.
 160.064/1157/0 Type III Yachting Vest, Adult XX-Large, Model YV-XXL.
 160.064/1158/0 Type III Yachting Vest, Adult Magnum, Model YV-MAGNUM.
 160.064/1159/0 Type III Ladies Yachting Vest, Adult XX-Small, Model LYV-SS.
 160.064/1160/0 Type III Ladies Yachting Vest, Adult Small, Model LYV-S.
 160.064/1161/0 Type III Ladies Yachting Vest, Adult Medium, Model LYV-M.
 160.064/1162/0 Type III Child Safety Vest, Child Small (30 to 50 lb.), Model CSV-S.
 160.064/1163/0 Type III Child Safety Vest, Child Medium (50 to 90 lb.), Model CSV-M.
 160.064/1164/0 Type III Child Safety Vest, Child Large (50 to 90 lb.), Model CSV-L.
 160.064/1165/0 Type III Boating Vest, Adult Small, Model BV/Y.
 160.064/1166/0 Type III Boating Vest, Adult Small, Model BV/S.
 160.064/1167/0 Type III Boating Vest, Adult Medium, Model BV/M.
 160.064/1168/0 Type III Boating Vest, Adult Large, Model BV-L.
 160.064/1299/0 Type III Boating Vest, Adult X-Large, Model BV-XL.
 160.064/2100/0 Type IV Horseshoe Buoy, 19" x 3.5", Model HS-2.
 160.064/2101/0 Type IV Horseshoe Buoy, 22" x 3", Model HS-1.
 160.064/2122/0 Type III Buoyant Vest, Child Small (30-50 lb.), Model GPS.
 160.064/2123/0 Type III Buoyant Vest, Child Medium (50-90 lb.), Model GPM.
 160.064/2124/0 Type III Buoyant Vest, Adult Universal, Model GPA.
 160.064/2307/0 Type III Buoyant Vest/Ski Vest, Adult Universal, Model RBA.
 160.064/2308/0 Type III Buoyant Vest/Ski Vest, Adult Small/Medium, Model EBA.
 160.064/2309/0 Type III Buoyant Vest/Ski Vest, Adult Large/X-Large, Model EBL.
 160.064/2315/0 Type III Buoyant Vest, Child (30-50 lb.), Model RBS.
 160.064/2316/0 Type III Buoyant Vest, Youth (50-90 lb.), Model RBM.
 160.064/2317/0 Type III Buoyant Vest, Child Small (30-50 lb.), Model EBS.
 160.064/2318/0 Type III Buoyant Vest, Youth (50-90 lb.), Model EBM.
 160.064/2382/0 Type III Buoyant Vest, Youth (50-90 lb.), Model SPY.
 160.064/2383/0 Type III Buoyant Vest, Adult Small, Model SPS.
 160.064/2384/0 Type III Buoyant Vest, Adult Medium, Model SPM.
 160.064/2385/0 Type III Buoyant Vest, Adult Large, Model SPL.
 160.064/2386/0 Type III Buoyant Vest, Adult X-Large, Model SPX.
 160.064/2387/0 Type III Buoyant Vest, Adult XX-Large, Model SPZ.
 160.064/2440/0 Type III Buoyant Vest, Child 26"-29" (50-90 lb.), Model SCM.
 160.064/2441/0 Type III Buoyant Vest, Child 23"-26" (30-50 lb.), Model SCS.
 160.064/2442/0 Type III Buoyant Vest, Child 20"-23" (30-50 lb.), Model SCX.

Atlantis Weathergear, Inc., Sag Harbor, NY 11963

160.064/A1718/0 Type III, Tyke, Model 304.
 160.064/A1719/0 Type III, Youth, Model 305.
 160.064/A1720/0 Type III, Adult Small, Model 306.
 160.064/A1721/0 Type III, Adult Medium, Model 307.
 160.064/A1722/0 Type III, Adult Large, Model 308.
 160.064/A1723/0 Type III, Adult XLarge, Model 309.
 160.064/A1724/0 Type III, Adult XXLarge, Model 310.

Baby Buoy, Ltd., R R #2, Box 57, Rochester, IL 62563

160.064/2834/0 Model Baby Flotation Seat, infant, (for persons less than 30 lb), FRP, unicellular plastic foam filled, "BABY FLOTATION SEAT", TYPE II PFD.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Barrett Life Vest, Inc., 2016 Winnebago St., Madison, WI 53704

- 160.064/2057/0 Type III Flotation Vest, Adult X-Small, Model NT-1 or NS-1.
- 160.064/2058/0 Type III Flotation Vest, Adult Small, Model NT-1 or NS-1.
- 160.064/2059/0 Type III Flotation Vest, Adult Medium, Model NT-1 or NS-1.
- 160.064/2060/0 Type III Flotation Vest, Adult Large, Model NT-1 or NS-1.
- 160.064/2061/0 Type III Flotation Vest, Adult X-Large, Model NT-1 or NS-1.
- 160.064/2145/0 Type III General Boating Vest, Adult Small, Model N-2 or NS-2.
- 160.064/2146/0 Type III General Boating Vest, Adult Medium, Model N-2 or NS-2.
- 160.064/2147/0 Type III General Boating Vest, Adult Large, Model N-2 or NS-2.
- 160.064/2148/0 Type III General Boating Vest, Adult X-Large, Model N-2 or NS-2.
- 160.064/2160/0 Type III Flotation Vest, Youth (50-90 lb.), Model NY-1.
- 160.064/2175/0 Type III General Boating Vest, Adult Small, Model N-3 or NS-3.
- 160.064/2176/0 Type III General Boating Vest, Adult Medium, Model N-3 or NS-3.
- 160.064/2177/0 Type III General Boating Vest, Adult Large, Model N-3 or NS-3.
- 160.064/2178/0 Type III General Boating Vest, Adult X-Large, Model N-3 or NS-3.
- 160.064/2287/0 Type III Canoeing, Kayaking, Sailing Adult Small, Model TB-4.
- 160.064/2288/0 Type III Canoeing, Kayaking, Sailing Adult Medium, Model TB-4.
- 160.064/2289/0 Type III Canoeing, Kayaking, Sailing Adult Large, Model TB-4.
- 160.064/2290/0 Type III Canoeing, Kayaking, Sailing Adult X-Large, Model TB-4.
- 160.064/2291/0 Type III Canoeing, Kayaking Adult Small, Model JV-5.
- 160.064/2292/0 Type III Canoeing, Kayaking Adult Medium, Model JV-5.
- 160.064/2293/0 Type III Canoeing, Kayaking Adult Large, Model JV-5.
- 160.064/2294/0 Type III Canoeing, Kayaking Adult X-Large, Model JV-5.

Bass Pro Shops, 2023 South Gleastone, Springfield, MO 65804

- 160.064/1109/0 Model 1200, Child Medium, vinyl dipped unicellular plastic foam "WATER SKI VEST", TYPE III PFD.
- 160.064/1110/0 Model 1200, Adult, Vinyl dipped unicellular plastic foam "WATER SKI VEST", TYPE III PFD.
- 160.064/1111/0 Model 1200, Adult, vinyl dipped unicellular plastic foam "WATER SKI VEST", TYPE III PFD.
- 160.064/1112/0 Model 1200, Adult, vinyl dipped unicellular plastic foam "WATER SKI VEST", TYPE III PFD.
- 160.064/1113/0 Type III, Adult Universal, Model 1200.
- 160.064/1114/1 Type III, Child, Model 6038.
- 160.064/1115/1 Type III, Youth, Model 6138.
- 160.064/1116/1 Type III, Adult Medium, Model 6538.
- 160.064/1117/1 Type III, Adult Large, Model 6638.
- 160.064/1118/1 Type III, Adult X-Large, Model 6738.
- 160.064/1119/1 Type III, Adult X-Large, Model 6838.

Bob Allen Co., Inc., 214 Southwest Jackson, P.O. Box 477, Des Moines, , Illinois 50302

- 160.064/2669/0 Type III Float Coat Adult 36"-38", Model 556.
- 160.064/2670/0 Type III Float Coat Adult 40"-42", Model 556.
- 160.064/2671/0 Type III Float Coat Adult 44"-46", Model 556.
- 160.064/2672/0 Type III Float Coat Adult 48"-50", Model 556.
- 160.064/2673/0 Type III Float Coat Adult 52"-54", Model 556.

Bremen Corp., 405 N. Industrial Drive, P.O. Box 243, Bremen, IN 46506

- 160.064/1240/1 Type III, Child Medium, Model 1001.
- 160.064/1241/1 Type III, Adult Universal, Model 1002.
- 160.064/1242/1 Type III Sailing & Water Ski Vest, Adult Small, Model 1003.
- 160.064/1243/1 Type III Sailing & Water Ski Vest, Adult Medium, Model 1004.
- 160.064/1244/1 Type III Sailing & Water Ski Vest, Adult Large, Model 1005.
- 160.064/1245/1 Type III Sailing & Water Ski Vest, Adult X-Large, Model 1006.
- 160.064/1660/0 Type III Sailing & Water Ski Vest, Youth (50-90 lb.), Model 2001.

EQUIPMENT LISTS

160.064/1703/0 Type III Sailing/Water Ski Vest, Mens' Adult, Model 227.

Barbank Ski Co., 1855 Victory Place, Burbank, CA 91504

160.064/310/0 Type III PFD, Child medium, Model No. DV-S.

160.064/311/0 Type III PFD, Adult Model No. DV-Med.

160.064/312/0 Type III PFD, Adult Model No. DV-Lg.

160.064/313/0 Type III PFD, Adult Model No. DV-X-Lg.

160.064/314/0 Type III PFD, Adult Model No. DV-XXLg.

160.064/315/0 Type III PFD, Adult Model No. DV-Ladies.

160.064/521/0 Type III PFD, Child XX-Small, Model No. DVP.

160.064/522/0 Type III PFD, Child X-Small, Model No. DVJ.

160.064/660/0 Type III PFD, Child medium, Model No. DV-XS.

160.064/874/0 Type III PFD, Child medium, Model No. CV-SM.

160.064/875/0 Type III PFD, Adult, Model No. CV-MD.

160.064/876/0 Type III PFD, Adult, Model No. CV-LG.

160.064/877/0 Type III PFD, Adult, Model No. CV-XL.

Campeo Ventures, Inc., Div. of American Recreation, 1891 Woolner Ave., Fairfield, CA 94533

160.064/861/0 Type III PFD, Model No. WSXL, Adult.

160.064/862/0 Type III PFD, Model No. WSAL, Adult.

160.064/863/0 Type III PFD, Model No. WSAS, Adult.

160.064/864/0 Type III PFD, Model No. WSCM, Child medium.

160.064/865/0 Type III PFD, Model No. WSCS, Child small.

Casad Manufacturing Co., P.O. Box 88, 319 South Park Dr., St. Marys, OH 45885

160.064/A1960/0 Type III Ski & Boating Vest, Child Small (30-50 lb.), Model 701.

160.064/A1961/0 Type III Ski & Boating Vest, Youth (30-50 lb.), Model 702.

160.064/A1962/0 Type III Ski & Boating Vest, Adult X-Small, Model 703.

160.064/A1963/0 Type III Ski & Boating Vest, Adult Small, Model 704.

160.064/A1964/0 Type III Ski & Boating Vest, Adult Medium, Model 705.

160.064/A1965/0 Type III Ski & Boating Vest, Adult Large, Model 706.

160.064/A1966/0 Type III Ski & Boating Vest, Adult X-Large, Model 707.

160.064/A2072/0 Type III Ski & Boating Vest, Adult X-Small, Model 751.

160.064/A2073/0 Type III Ski & Boating Vest, Adult Small, Model 752.

160.064/A2074/0 Type III Ski & Boating Vest, Adult Medium, Model 753.

160.064/A2075/0 Type III Ski & Boating Vest, Adult Large, Model 754.

160.064/A2076/0 Type III Ski & Boating Vest, Adult X-Large, Model 755.

160.064/A2265/0 Type III Ski & Boating Vest, Adult Super Large, Model 756.

160.064/B2352/0 Type III Buoyant Vest, Child Medium/Youth (50-90 lb.), Model BV-4.

160.064/B2353/0 Type III Buoyant Vest, Adult Small/Medium, Model BV-4.

160.064/B2354/0 Type III Buoyant Vest, Adult Large/X-Large, Model BV-4.

160.064/B2355/0 Type III Buoyant Vest, Adult XX-Large, Model BV-4.

160.064/B2539/0 Type III Buoyant Vest, Child 19"-24" (30-50 lb.), Model BV-4C.

160.064/B2540/0 Type III Buoyant Vest, Adult 28"-32", Model BV-6.

160.064/B2541/0 Type III Buoyant Vest, Adult 32"-36", Model BV-6.

160.064/B2542/0 Type III Buoyant Vest, Adult 36"-40", Model BV-6.

160.064/B2543/0 Type III Buoyant Vest, Adult 40"-44", Model BV-6.

160.064/B2544/0 Type III Buoyant Vest, Adult 44"-48", Model BV-6.

160.064/B2545/0 Type III Buoyant Vest, Adult 48"-52", Model BV-6.

160.064/B2546/0 Type III Buoyant Vest, Adult 28"-32", Model BV-7.

160.064/B2547/0 Type III Buoyant Vest, Adult 32"-36", Model BV-7.

160.064/B2548/0 Type III Buoyant Vest, Adult 36"-40", Model BV-7.

160.064/B2549/0 Type III Buoyant Vest, Adult 40"-44", Model BV-7.

160.064/B2550/0 Type III Buoyant Vest, Adult 44"-48", Model BV-7.

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160.064/B2551/0 Type III Buoyant Vest, Adult 48"-52", Model BV-7.

Charles Ulmer, Inc., 175 City Island Ave., City Island, NY 10464

160.064/5/0 Model Horseshoe.

160.064/6/0 Model Ponyshoe.

Chrysler Outboard Corp., Hartford, WI 53027

160.064/362/0 Type III, Ch. Med., Model 3H34A.

160.064/363/0 Type III, Adult, Model 3H35A.

160.064/364/0 Type III, Adult, Model 3H36A.

160.064/365/0 Type III, Adult, Model 3H37A.

160.064/366/0 Type III, Adult, Model 3H38A.

Coast Catamaran Corp. (dba Hobie Cat), PO Box 1008, Oceanside, CA 92054

160.064/E2268/0 Type V Sailboard Vest, Adult 30"-40", Model A-0755.

160.064/E2269/0 Type V Sailboard Vest, Adult 40"-48", Model A-0756.

160.064/E2669/0 Type III Float Coat Adult 36"-38", Model 556.

Coated Marine Products, Inc., 10 Foam Forms Place, Waukegan, IL 60085

160.064/1007/0 Type IV, Ring Buoy, Model A 181/201.

Coleman Outdoor Products Inc., Hwy 341 E, P.O. Box 1119, Lake City, SC 29560

160.064/1439/0 Type III Boating/Sailing/Safety Vest, Child (30-50 lb.), Model ABXS or BRC.

160.064/1440/0 Type III Boating/Sailing/Safety Vest, Youth (50-90 lb.), Model ABSS, BRY, or GRY.

160.064/1441/0 Type III Boating/Sailing/Safety Vest, Adult X-Small, Model ABMS/ADMS/APMS.

160.064/1442/0 Type III Boating/Sailing/Safety Vest, Adult Small, Model ABS/APS/ADS.

160.064/1443/0 Type III Boating/Sailing/Safety Vest, Adult Medium, Model ABM/APM/ADM.

160.064/1444/0 Type III Boating/Sailing/Safety Vest, Adult Large, Model ABL/APL/ADL.

160.064/1445/0 Type III Boating/Sailing/Safety Vest, Adult X-Large, Model ABXL/APXL/ADXL.

160.064/1715/0 Type III Buoyant Device/Vest, Youth (50-90 lb.), Model B.

160.064/1716/0 Type III Buoyant Device/Vest, Child (30-50 lb.), Model C.

160.064/1747/0 Type II Youth Safety Vest, Youth (50-90 lb.), Model YFG/503.

160.064/1748/1 Model CVC/CFG, Child, "Safety Vest", Type II PFD.

160.064/1749/0 Model IFG or CVI, "INFANT SAFETY VEST", Type II PFD.

160.064/2233/0 Type III Boating/Gen. Rec./Sport Vest, Adult X-Small/Small, Model BRS/GRS/SPS.

160.064/2234/0 Type III Boating/Gen. Rec./Sport Vest, Adult Medium/X-Large, Model BRL/GRL/SPL.

160.064/2248/0 Type V Sailboard Harness Vest, Adult Universal, Model SB-1.

160.064/2268/0 Type V Sailboard Harness Vest, Adult Small, Model SB-2S.

160.064/2269/0 Type V Sailboard Harness Vest, Adult Large/X-Large, Model SB-2L.

160.064/2323/0 Model 101 and 103, Child (20" - 25" chest, 30 - 50 lbs), cloth-covered unicellular plastic foam "GENERAL RECREATION VEST."

160.064/2324/0 Type III General Recreation Vest, Youth (50-90 lb.), Model 101/102/103.

160.064/2325/0 Type III General Recreation Vest, Adult Small/Medium, Model 101/102/103.

160.064/2326/0 Type III General Recreation Vest, Adult Large/X-Large, Model 101/102/103.

160.064/2328/0 Type III Collar Vest, Child (30-50 lb.), Model 201.

160.064/2329/0 Type III Collar Vest, Youth (50-90 lb.), Model 201/202.

160.064/2330/0 Type III Collar Vest, Adult Small/Medium, Model 201/202.

160.064/2331/0 Type III Collar Vest, Adult Large/X-Large, Model 201/202.

160.064/2332/0 Type III Collar Vest, Adult XXX-Large, Model 201/202.

160.064/2333/0 Type III Ski Vest, Adult Small/Medium, Model 104.

160.064/2334/0 Type III Ski Vest, Adult Large/X-Large, Model 104.

160.064/2349/0 Type III Ski Vest, Youth (50-90 lb.), Model 104.

160.064/2459/0 Type III Flotation Jacket, Adult 32"-36", Model 601.

160.064/2460/0 Type III Flotation Jacket, Adult 36"-40", Model 601.

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- 160.064/2461/0 Type III Flotation Jacket, Adult 40"-44", Model 601.
- 160.064/2462/0 Type III Flotation Jacket, Adult 44"-48", Model 601.
- 160.064/2463/0 Type III Flotation Jacket, Adult 48"-52", Model 601.
- 160.064/2566/0 Type III Roll Collar Vest, Adult 30"-40", Model 108.
- 160.064/2567/0 Type III Roll Collar Vest, Adult 40"-50", Model 108.
- 160.064/2573/0 Type III General Purpose Boating Vest, Adult 32"-36", Model 302.
- 160.064/2574/0 Type III General Purpose Boating Vest, Adult 36"-40", Model 302.
- 160.064/2575/0 Type III General Purpose Boating Vest, Adult 40"-44", Model 302.
- 160.064/2576/0 Type III General Purpose Boating Vest, Adult 44"-48", Model 302.
- 160.064/2577/0 Type III General Purpose Boating Vest, Adult 48"-52", Model 302.
- 160.064/2602/0 Type III Ski or General Purpose Vest, Child 26"-29" (50-90 lb.), Model 114.
- 160.064/2633/0 Type III Buoyant Vest, Child 20"-25" (30-50 lb.), Model 405.
- 160.064/2634/0 Type III Buoyant Vest, Child 26"-29" (50-90 lb.), Model 405.
- 160.064/2635/0 Type III Buoyant Vest, Adult 30"-40", Model 405.
- 160.064/2636/0 Type III Buoyant Vest, Adult 40"-50", Model 405.
- 160.064/2643/0 Type III Flotation Vest, Adult 30"-34", Model 602.
- 160.064/2644/0 Type III Flotation Vest, Adult 34"-38", Model 602.
- 160.064/2645/0 Type III Flotation Vest, Adult 38"-42", Model 602.
- 160.064/2646/0 Type III Flotation Vest, Adult 42"-46", Model 602.
- 160.064/2647/0 Type III Flotation Vest, Adult 46"-50", Model 602.
- 160.064/2648/0 Type III Flotation Vest, Adult 50"-52", Model 602.
- 160.064/2827/0 Model 802, Adult Small/Medium (30" - 40" chest), cloth-covered unicellular plastic foam "BOATING VEST", Type III PFD.
- 160.064/2828/0 Model 802, Adult Large/X-Large (40" - 50" chest), cloth-covered unicellular plastic foam "BOATING VEST", Type III PFD.

Commercial Fabric Mfg. Co., 2232 First Ave. South, Seattle, WA 98134

- 160.064/2002/0 Type III Ski & Sport Vest, Adult X-Large, Model 3002-1.
- 160.064/2003/0 Type III Ski & Sport Vest, Adult Large, Model 3002-2.
- 160.064/2004/0 Type III Ski & Sport Vest, Adult Medium, Model 3002-3.
- 160.064/2005/0 Type III Ski & Sport Vest, Adult Small, Model 3002-4.
- 160.064/2006/0 Type III Ski & Sport Vest, Adult X-Small, Model 3002-5.
- 160.064/2007/0 Type III Ski & Sport Vest, Youth (50-90 lb.), Model 3002-6.
- 160.064/2008/0 Type III Ski & Sport Vest, Child Small (30-50 lb.), Model 3002-7.
- 160.064/2080/0 Type III Ski & Sports Vest, Adult X-Large, Model 3002-1.
- 160.064/2081/0 Type III Ski & Sports Vest, Adult Large, Model 3002-2.
- 160.064/2082/1 Type III Ski & Sports Vest, Adult 44"-48", Model 3002-1.
- 160.064/2083/1 Type III Ski & Sports Vest, Adult 40"-44", Model 3002-2.
- 160.064/2084/1 Type III Ski & Sports Vest, Adult 36"-40", Model 3002-3.
- 160.064/2085/0 Type III Ski & Sports Vest, Adult Small, Model 3002-4.
- 160.064/2086/0 Type III Ski & Sports Vest, Adult X-Small, Model 3002-5.

Continental Canvas Co., 10900 East Fawcett Ave., South El Monte, CA 91733

- 160.064/1343/0 Type III Trapeze or Hiking Vest, Adult Small/Medium, Model 5514.
- 160.064/1344/0 Type III Trapeze or Hiking Vest, Adult Medium/Large, Model 5515.
- 160.064/1379/0 Type III, Ad. Sm., model 5413.
- 160.064/1380/0 Type III, Ad. M., model 5414.
- 160.064/1381/0 Type III, Ad. L., model 5416.
- 160.064/1382/0 Type III, Ad. XL, model 5417.
- 160.064/1383/0 Type III, Ad. S., model 5313.
- 160.064/1384/0 Type III, Ad. M., model 5314.
- 160.064/1385/0 Type III, Ad. L., model 5316.
- 160.064/1386/0 Type III, Ad. XL, model 5317.

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160.064/1387/0 Type III, Ad. S, model 5613.
 160.064/1388/0 Type III, Ad. M, model 5614.
 160.064/1389/0 Type III, Ad. L, model 5616.
 160.064/1390/0 Type III, Ad. XL, model 5617.
 160.064/1614/0 Type III, Ch. Univ., model 5710.
 160.064/1615/0 Type III, Junior, model 5711.
 160.064/1616/0 Type III, Youth, model 5712.

Crawford Manufacturing Co., Inc., Third & Decatur Streets, Richmond, VA 23212

160.064/16/0 Type IV Ring Buoy, 18" Model 501 or 601.
 160.064/26/0 18-inch, Model No. A. R.
 160.064/35/0 Type III Ski Vest, Adult, Model 543 or 552.
 160.064/36/0 Type III Ski Vest, Teen (50 to 90 lb.), Model 544 or 553.
 160.064/72/2 Adult, Model No. 545 or 554.
 160.064/73/0 Child, Model No. 546 or 555.
 160.064/124/0 Type III Yacht Vest, Adult, Model 759 or 563.
 160.064/125/0 Child, Model No. 755F or 559F.
 160.064/187/0 Child small, Model No. SV.
 160.064/188/0 Child medium, Model No. MV.
 160.064/191/0 Adult X-large, Model Nos. 750-SJL and 562-XJL.
 160.064/192/0 Adult medium, Model Nos. 749-LJ and 556-LJ.
 160.064/193/0 Type II PFD, Models 748-MJ and 554-MJ, Child medium.
 160.064/194/0 Adult, Model No. ZV.
 160.064/1148/0 Type III Sail N Ski Vest, Adult, Model 2232454-552.
 160.064/1149/0 Type III Sail N Ski Vest, Adult, Model 2232454-552.
 160.064/1979/0 Type IV Buoyant Cushion, 15" x 15" Model 1286.

Cat 'N' Jump Ski Corp., 11525 Sorrento Valley Rd., San Diego, CA 92121

160.064/205/0 Child small, Model No. CGXS.
 160.064/206/0 Child small, Model No. CGXS/S.
 160.064/207/0 Adult, Model No. CGM/L.
 160.064/208/0 Adult, Model No. CGL/XL.

Cypress Gardens Skin, Inc., Div. of Ero Industries, Inc., P.O. Box 810, Winter Haven, FL 33880

160.064/74/0 Child medium, Model No. CGJ-100.
 160.064/77/0 Child small, Model No. CGJ-100XS.
 160.064/78/0 Adult, Model No. CGJ-100XL.
 160.064/126/0 Type III Water Ski Vest, Child Small (under 50 lb.), Model CGJ-100.
 160.064/127/0 Type III Water Ski Vest, Youth (50 to 90 lb.), Model CGJ-100.
 160.064/128/0 Type III Water Ski Vest, Adult X-Large, Model CGJ-100.
 160.064/233/0 Type III Water Ski Vest, Adult, Model CGJ-100.
 160.064/270/0 Type III Water Ski Vest, Child Medium (50-90 lb.), Model GJ-700.
 160.064/271/0 Type III Water Ski Vest, Adult Medium, Model GJ-700.
 160.064/272/0 Type III Water Ski Vest, Adult Large, Model GJ-700.
 160.064/273/0 Type III Water Ski Vest, Adult X-Large, Model GJ-700.
 160.064/505/0 Type III, Child Small, Model 700.
 160.064/506/0 Type III, Child Medium, Model 700.
 160.064/582/0 Type III, Adult Large, Model 800.
 160.064/583/0 Type III, Adult Medium, Model CGJ-800.
 160.064/584/0 Type III, Child Large, Model CGJ-800.
 160.064/651/0 Type III, Adult Small, Model 900.
 160.064/652/0 Type III, Adult Medium, Model 900.
 160.064/653/0 Type III, Adult Large, Model 900.
 160.064/654/0 Type III, Adult X-Large, Model 900.

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160.064/799/0 Type III, Adult, Model AV-2.
160.064/800/0 Type III, Adult, Model AV-2.
160.064/801/0 Type III, Adult, Model AV-2.
160.064/879/0 Type III, Child Small, Model JRV.
160.064/880/0 Type III, Child Medium, Model JRV.
160.064/892/0 Type III, Adult, Model JRV.
160.064/1150/0 Type III, Adult Universal, Model SKI PRO TECH 1.
160.064/1151/0 Type III, Adult Universal, Model SKI PRO TECH 1.
160.064/1152/0 Type III, Adult Universal, Model SKI PRO TECH 1.

Duraflex Sports Products, Div. of UPM, Inc., 13245 Los Angeles St., Baldwin Park, CA 91706

160.064/1606/0 Model D901, Adult Small, cloth covered unicellular plastic foam "HI-POINT WATER SPORTS VEST", Type III PFD.

160.064/1607/0 Model D902, Adult Medium, cloth covered unicellular plastic foam "HI-POINT WATER SPORTS VEST", Type III PFD.

160.064/1608/0 Model D903, Adult Large, cloth covered unicellular plastic foam "HI-POINT WATER SPORTS VEST", Type III PFD.

160.064/1609/0 Model D904, Adult X-Large, cloth covered unicellular plastic foam "HI-POINT WATER SPORTS VEST", Type III PFD.

East Wind Industries, Inc., 1514 Chestnut Ave., Trenton, NJ 08161

160.064/1173/0 Type III, A-S, Model JAD100.
160.064/1174/0 Type III, A-M, Model JAD100.
160.064/1175/0 Type III, A-L, Model JAD100.
160.064/1176/0 Type III, A-S, Model JAD200.
160.064/1177/0 Type III, A-M, Model JAD200.
160.064/1178/0 Type III, A-L, Model JAD200.
160.064/1179/0 Type III, A-S, Model JAD300.
160.064/1180/0 Type III, A-M, Model JAD300.
160.064/1181/0 Type III, A-L, Model JAD300.
160.064/1182/0 Type III, A-L, Model JAD300.

Empress Corp., 1144 S. San Julian St., Los Angeles, CA 90015

160.064/84/0 Adult medium, Model 3000.
160.064/99/0 Adult small, Model 3000.
160.064/100/0 Adult large, Model 3000.
160.064/101/0 Adult extra large, Model 3000.
160.064/104/0 Adult small, Model 3050.
160.064/105/0 Adult medium, Model 3050.
160.064/106/0 Adult large, Model 3030.
160.064/109/0 Adult extra small, Model 3000.
160.064/134/0 Adult extra small, Model 5000.
160.064/135/0 Adult small, Model 5000.
160.064/136/0 Adult medium, Model 5000.
160.064/137/0 Adult large, Model 5000.
160.064/138/0 Adult extra large, Model 5000.
160.064/290/0 Model 3010, Adult large.
160.064/303/0 Model 3010, Adult small.
160.064/304/0 Model 3010, Adult medium.
160.064/305/0 Model 3010, Adult extra large.
160.064/390/0 Model No. 5010, Adult small.
160.064/391/0 Model No. 5010, Adult medium.
160.064/392/0 Model No. 5010, Adult large.
160.064/393/0 Model No. 5010, Adult X-large.

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- 160.064/419/0 Model No. 5020, Adult medium.
- 160.064/420/0 Model No. 0020, Adult large/X-large.
- 160.064/421/0 Model No. 3015, Adult small.
- 160.064/422/0 Model No. 3015, Adult medium.
- 160.064/423/0 Model No. 3015, Adult medium.
- 160.064/537/0 Model No. 5030 (small), Child medium.
- 160.064/538/0 Model No. 5030 (large), Child medium.

E P Industries, Inc., P.O. Box 9700, Renton, WA 98075-9700

- 160.064/B1460/0 Type III Ski and Sports Vest, Child (30-50 lb.), Model EPC.
- 160.064/B1461/0 Type III Ski and Sports Vest, Youth (50-90 lb.), Model EPY.
- 160.064/B1462/0 Type III Ski and Sports Vest, Adult X-Small, Model EPXS.
- 160.064/B1463/0 Type III Ski and Sports Vest, Adult Small, Model EPS.
- 160.064/B1464/0 Type III Ski and Sports Vest, Adult Medium, Model EPM.
- 160.064/B1465/0 Type III Ski and Sports Vest, Adult Large, Model EPL.
- 160.064/B1466/0 Type III Ski and Sports Vest, Adult X-Large, Model EPXL.

Ero Industries, Inc., 8130 North Lehigh Ave., Morton Grove, IL 60053-2614

- 160.064/118/1 Type III, Ad. Sm, Model 3965.
- 160.064/119/1 Type III, Ad. Med, Model 3960.
- 160.064/120/1 Type III, Ad. Lg, Model 3955.
- 160.064/189/1 Type III, Ad. Lg, Model 3955.
- 160.064/225/0 Child Medium.
- 160.064/274/0 Adult X-small, Model Yachtsman II.
- 160.064/275/2 Type III, Ad. XSm, Model 3950.
- 160.064/276/2 Type III, Ad. Med, Model 3945.
- 160.064/277/2 Type III, Ad. Lg, Model 3945.
- 160.064/404/1 Type III, Child Medium, Model 3980.
- 160.064/405/1 Type III, Adult Xlg, Model 3975.
- 160.064/623/0 Type III, Adult, Model 4156.
- 160.064/624/0 Type III, Child Med, Model 4161.
- 160.064/625/0 Type III, Child Sm, Model 4166.
- 160.064/661/0 Model 7715, Adult Large, vinyl dipped unicellular plastic foam "SKI VEST", Type III PFD.
- 160.064/662/0 Model 7710, Adult X-Large, vinyl dipped unicellular plastic foam "SKI VEST", Type III PFD.
- 160.064/671/0 Model 7725, Child Medium, vinyl dipped unicellular plastic foam "SKI VEST", Type III PFD.
- 160.064/672/0 Model 7720, Adult Medium, vinyl dipped unicellular plastic foam "SKI VEST", Type III PFD.
- 160.064/777/0 Type III PFD, Model No. 202, Adult.
- 160.064/778/0 Type III, Ch. Sm, Model 3985.
- 160.064/825/0 Type III, Adult, Model 3500.
- 160.064/895/0 Type III Buoyant Vest, Adult, Model 204.
- 160.064/896/0 Type III Buoyant Vest, Adult, Model 204.
- 160.064/973/0 Type III Buoyant Vest, Child Small (under 50 lb.), Model 205.
- 160.064/974/0 Type III Buoyant Vest, Child Medium (50 to 90 lb.), Model 205.
- 160.064/975/0 Type III Buoyant Vest, Adult, Model 205.
- 160.064/976/0 Type III Buoyant Vest, Adult, Model 205.
- 160.064/1019/0 Type III, Ad. Med., Models 206, 210 thru 216.
- 160.064/1020/0 Type III, Ad. Lg, Models 206, 210 thru 216.
- 160.064/1025/0 Type III Flotation Jacket, Adult, Model 208 or 209.
- 160.064/1026/0 Type III Flotation Jacket, Adult, Model 208 or 209.
- 160.064/1027/0 Type III Flotation Jacket, Adult, Model 208 or 209.
- 160.064/1028/0 Type III Flotation Jacket, Adult, Model 208 or 209.
- 160.064/1057/0 Model 7720A, Adult, vinyl dipped unicellular plastic foam "WATER SKI VEST", Type III PFD.
- 160.064/1058/0 Model 7715A, Adult, vinyl dipped unicellular plastic foam "WATER SKI VEST", Type III PFD.

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160.064/1059/0 Model 7710A, Adult, vinyl dipped unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/1060/0 Type III, Ad. Univ., Model 7705A.
 160.064/1226/0 Type III, Ad. Univ., Model 215.
 160.064/1259/1 Type III, Ad. XLg., Model 7705.
 160.064/1260/1 Type III, Ad. Lg., Model 7710.
 160.064/1261/1 Type III, Ad. Med., Model 7715.
 160.064/1262/1 Type III, Ad. Sm., Model 7720.
 160.064/1263/1 Type III, Ladies, Model 7730.
 160.064/1264/0 Type III, Ch. Mod., Model 7730.
 160.064/1342/0 Type III, Ad. Univ., Model 218.
 160.064/1378/0 Type III Boating Vest, Adult, Model 220.
 160.064/1481/0 Type III, Ad. Sm., Model 221.
 160.064/1482/0 Type III, Ad. Med., Model 221.
 160.064/1483/0 Type III, Ad. Lg., Model 221.
 160.064/1484/0 Type III, Ad. X-Lg., Model 221.
 160.064/1494/0 Type III, C/S, Model 218.
 160.064/1495/0 Type III, C/M, Model 218.
 160.064/1502/0 Type III, A/S, Model 222.
 160.064/1503/0 Type III, A/M, Model 222.
 160.064/1504/0 Type III, A/L, Model 222.
 160.064/1526/0 Type III, Adult, Model 7705A.
 160.064/1527/0 Type III Boating, Skiing, Fishing Vest, Adult Medium, Model 223.
 160.064/1528/0 Type III Boating, Skiing, Fishing Vest, Adult Large, Model 223.
 160.064/1563/0 Model 7780, Adult, "Sailing and Water Ski Vest", Type III PFD.
 160.064/1564/0 Type III Sailing and Water Ski Vest, Adult, Model 7790.
 160.064/1595/0 Type III, C/M, Model 218.
 160.064/1732/0 Type III Water Ski Vest, Youth (50-90 lb.), Model 700-A.
 160.064/1757/0 Model 700A, Adult X-Small or Youth Large, "WATER SKI VEST", Type III PFD.
 160.064/1855/0 Type III General Purpose Vest, Adult Universal, Model EA3.
 160.064/1856/0 Type III General Purpose Vest, Child Medium (under 90 lb.), Model BCM3.
 160.064/1857/0 Type III General Purpose Vest, Child Small (50-90 lb.), Model BCS3.
 160.064/1897/0 Type III Gen. Purpose Buoyant Vest, Adult Small, Model AV3S.
 160.064/1898/0 Type III Gen. Purpose Buoyant Vest, Adult Medium, Model AV3M.
 160.064/1899/0 Type III Gen. Purpose Buoyant Vest, Adult Large, Model AV3L.
 160.064/1924/0 Type II General Purpose Vest, Infant (under 50 lb.), Model Baby-1.
 160.064/1976/0 Type III Ski Vest, Adult Small, Model Ski-S.
 160.064/1977/0 Type III Ski Vest, Adult Medium, Model Ski-M.
 160.064/1978/0 Type III Ski Vest, Adult Large, Model Ski-L.
 160.064/2009/0 Type II Gen. Purpose Buoyant Vest, Infant (under 50 lb.), Model I2.
 160.064/2010/0 Type II Gen. Purpose Buoyant Vest, Child Small (30-50 lb.), Model S2.
 160.064/2011/0 Type II Gen. Purpose Buoyant Vest, Child Medium (50-90 lb.), Model M2.
 160.064/2026/0 Type III Ski Vest, Child Medium (50 to 90 lb.), Model Ski-CM.
 160.064/2027/0 Type III Ski Vest, Child Small (30 to 50 lb.), Model Ski-CS.
 160.064/2040/0 Type III Ski-Vest, Adult Small, Model SKI-SX.
 160.064/2041/0 Type III Ski-Vest, Adult Medium, Model SKI-MX.
 160.064/2042/0 Type III Ski-Vest, Adult Large, Model SKI-LX.
 160.064/2115/0 Type III Buoyant Vest, Adult Small, Model VAS.
 160.064/2117/0 Type III Buoyant Vest, Adult Large, Model VAL.
 160.064/2118/0 Type III Buoyant Vest, Adult X-Large, Model VAXL.
 160.064/2121/0 Type II Buoyant/Gen. Purpose Vest, Adult Universal, Model WW-1.
 160.064/2256/0 Type III General Purpose Vest, Adult Small, Model AVS.
 160.064/2257/0 Type III General Purpose Vest, Adult Medium, Model AVM.
 160.064/2258/0 Type III General Purpose Vest, Adult Large, Model AVL.

FORMERLY APPROVED LIFESAVING EQUIPMENT

- 160.064/2259/0 Type III Ski Vest, Adult Small, Model SKI-SPE.
 160.064/2260/0 Type III Ski Vest, Adult Medium, Model SKI-MPE.
 160.064/2261/0 Type III Ski Vest, Adult Large, Model SKI-LPE.
 160.064/2262/0 Type III Ski Vest, Adult Small, Model SKI-SC.
 160.064/2263/0 Type III Ski Vest, Adult Medium, Model SKI-MC.
 160.064/2264/0 Type III Ski Vest, Adult Large, Model SKI-LC.
 160.064/2348/0 Type II General purpose Infant (under 50 lb.), Model KS.
 160.064/2393/0 Type III Ski or General Boating Vest, Adult Small/Medium, Model S/M.
 160.064/2394/0 Type III Ski or General Boating Vest, Adult Large/X-Large, Model L/XL.
 160.064/2445/0 Model BABY II, Infant, "GENERAL PURPOSE", Type II PFD.
 160.064/2482/0 Type III General Purpose Vest, Adult 30"-52", Model CA3.
 160.064/2666/0 Type III Buoyant Vest, Adult 30"-40", Model 4560SM.
 160.064/2667/0 Type III Buoyant Vest, Adult 40"-52", Model 4560LX.
 160.064/2690/0 Type III General Purpose Vest, Adult 30"-52", Model AU.
 160.064/2811/0 Model FVU, Adult Universal, cloth covered unicellular plastic foam "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2821/0 Model 251W, Youth (for persons weighing 50 - 90 lb), cloth-covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2822/0 Models 251B and 251F, Youth (for persons weighing 50 - 90 lb), cloth-covered unicellular plastic foam "BASIC BOATING VEST", Type III PFD. Previously approved under NAVIGEAR, INC.
 160.064/2875/0 Model 454W, Adult X-Small (28 - 30 inch chest), cloth-covered unicellular plastic foam "WATER SKI VEST", Type III PFD. Formerly approved under NAVIGEAR, INC.
 160.064/2876/0 Model 504W, Adult Small (chest size 31 - 33 inches), cloth-covered unicellular plastic foam "WATER SKI VEST", Type III PFD. Formerly approved under Navigear, Inc.
 Ettinger Enterprises, Inc., 5310 Lance Dr., Knoxville, TN 37919
 160.064/1485/0 Type III, Ad. XSm., Model 101.
 160.064/1486/0 Type III, Ad. Sm., Model 102.
 160.064/1487/0 Type III, Ad. Med., Model 103.
 160.064/1488/0 Type III, Ad. Lg., Model 104.
 160.064/1489/0 Type III, Ad. XLg., Model 105.
 160.064/1490/0 Type III, Ad. XXLg., Model 106.
 160.064/1565/0 Type III Water Ski Vest, Youth Medium (50-90 lb.), Model 114.
 160.064/1758/0 Type III Ski/Canoe/Boat/Fishing Vest, Adult, Model 100.
 160.064/1928/0 Type III Canoe/Boat/Fish/& Ski Vest, Adult Universal, Model Universal 300.
 Fabrionics, Inc., Route 130 South, P.O. Box 94, Camargo, IL 61919
 160.064/432/0 Type III Sailing/Water Ski Vest, Adult Universal, Model 800.
 160.064/433/0 Type III Sailing/Water Ski Vest, Adult Universal, Model 700.
 160.064/434/0 Type III Sailing/Water Ski Vest, Adult Universal, Model 650.
 160.064/1230/0 Type III Sailing/Water Ski Vest, Adult, Model 901.
 160.064/1922/0 Type II Canoe & Sailing Vest, Adult Universal, Model SGV-1.
 160.064/2044/0 Type III Sailing/Water Ski Vest, Adult Small, Model SJV-S.
 160.064/2045/0 Type III Sailing &/or Water Ski Vest, Adult Medium, Model SJV-M.
 160.064/2046/0 Type III Sailing &/or Water Ski Vest, Adult Large, Model SJV-L.
 160.064/2047/0 Type III Sailing &/or Water Ski Vest, Adult X-Large, Model SJV-XL.
 160.064/2377/0 Type III Sailing or Water Ski Vest, Adult Small/Medium, Model GV-1.
 160.064/2378/0 Type III Sailing or Water Ski Vest, Adult, Large/X-Large, Model GV-2.
 Farber Brothers, Inc., 1324 Farmville Rd., Memphis, TN 38122
 160.064/98/0 Type III, PFD, Model 780-15, Adult.
 160.064/518/0 Adult small, Model No. 78022.
 160.064/519/0 Adult medium, Model No. 780-33.
 160.064/520/0 Adult large, Model No. 780-44.

160.064/683/0 Type III, Ch. Sm, Model 780-24.
 160.064/684/0 Type III, Ch. Med, Model 780-25.
 160.064/685/0 Model 780-27, Adult Medium, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

160.064/686/0 Type III, Ad. Med, Model 780-27.
 160.064/687/0 Type III, Ad. Lg, Model 780-28.
 160.064/688/0 Type III, Ad. XLg, Model 780-28.
 160.064/981/0 Type III, Adult, Model 780-26.

Farwest Garments, Inc., 1100 Poplar Place South, Seattle, WA 98144
 160.064/186/0 Adult, Model No. 1091-M.

Float Gear, Inc., 591-595 Fourth St., San Fernando, CA 91340

160.064/1183/0 Type III, Ch. Univ., Model NXS.
 160.064/1184/0 Type III, Y/M, Model NSS.
 160.064/1185/0 Type III, A/XS, Model NMS.
 160.064/1186/0 Type III, A/S, Model NS.
 160.064/1187/0 Type III, A/M, Model NM.
 160.064/1188/0 Type III, A/L, Model NL.
 160.064/1189/0 Type III, A/XL, Model NXL.
 160.064/1190/0 Type III, Chi. Univ., Model BXS.
 160.064/1191/0 Type III, Y/M, Model BSS.
 160.064/1192/0 Type III, A/XS, Model BMS.
 160.064/1193/0 Type II, A/S, Model BS.
 160.064/1194/0 Type III, A/M, Model BM.
 160.064/1195/0 Type III, A/L, Model BM.
 160.064/1196/0 Type III, A/XL, Model BXL.

Flotation Products Div. of Ocean Dynamics, 367 W. Victoria St., Gardena, CA 90248

160.064/1891/0 Type III Buoyant Vest, Adult X-Small, Model 911.
 160.064/1892/0 Type III Buoyant Vest, Adult Small, Model 911.
 160.064/1893/0 Type III Buoyant Vest, Adult Medium, Model 911.
 160.064/1894/0 Type III Buoyant Vest, Adult Large, Model 911.
 160.064/1895/0 Type III Buoyant Vest, Adult X-Large, Model 911.
 160.064/1909/1 Type III Buoyant Vest, Child Small (30-50 lb.), Model 911.
 160.064/1923/0 Type III Buoyant Vest, Youth (50-90 lb.), Model 911.
 160.064/1929/1 Type II Buoyant Vest, Shrimp (under 50 lb.), Model 911.
 160.064/1931/0 Type III Buoyant Vest, Adult Small, Model 5813.
 160.064/1932/0 Type III Buoyant Vest, Adult Medium, Model 5814.
 160.064/1933/0 Type III Buoyant Vest, Adult Large, Model 5816.
 160.064/1934/0 Type III Buoyant Vest, Adult X-Large, Model 5817.
 160.064/2043/0 Type III Buoyant Vest, Adult Universal, Model 912.
 160.064/2136/0 Type III Ski Vest, Adult X-Small, Model 944.
 160.064/2137/0 Type III Ski Vest, Adult Small, Model 944.
 160.064/2138/0 Type III Ski Vest, Adult Medium, Model 944.
 160.064/2139/0 Type III Ski Vest, Adult Large, Model 944.
 160.064/2140/0 Type III Ski Vest, Adult X-Large, Model 944.
 160.064/2141/0 Type III Ski Vest, Adult XX-Large, Model 944.
 160.064/2601/0 Type III Buoyant Vest, Adult Universal, Model 914.

Forestar Products Corp., 22322 Gilberto, Rancho Santa Margarita, CA 92688
 160.064/1952/0 Type IV Horseshoe Buoy, Model H-1.

FORMERLY APPROVED LIFESAVING EQUIPMENT

- Gentex Corporation, Carbondale, PA 18407
- 160.064/1/2 Type III, Ad. Med, Model GT-5.
- 160.064/2/2 Type III, Ch. Med, Model GT-5.
- 160.064/3/1 Child small, Model No. 2.
- 160.064/13/0 Type IV, Ring Buoy, 19 in.
- 160.064/17/0 Models GP-1 and 712-VM-17.5, Adult, "SPORT FISHING, or "BUOYANT VEST", Type II PFD.
- 160.064/18/2 Model GT-5, Adult Large, "COMPETITION VEST", Type III PFD.
- 160.064/55/0 Type III, Adult, Model Sailfish.
- 160.064/58/0 Type III, Adult, Model Dolphin.
- 160.064/59/0 Type III, Child med., Model Sailfish.
- 160.064/60/0 Type III, Ch. Sm., Model Pollywog.
- 160.064/90/0 Adult, Model Guardian/Escort.
- 160.064/213/0 Type III, Ch. Med, Model Escort.
- 160.064/226/0 Type II Work Vest, Adult, Model 211VP-17.5.
- 160.064/291/0 Type III, Ad. Sm., Model Guardian.
- 160.064/292/0 Type III, Ad. Med, Model Guardian.
- 160.064/293/0 Type III, Ad. Lg., Model Guardian.
- 160.064/389/0 Type III, Ch. Med, Model Guardian.
- 160.064/395/0 Type III, Ch. Sm., Model Guardian.
- 160.064/573/0 Type III Buoyant Vest, Adult Small, Model SKIGUARD.
- 160.064/574/0 Type III, Ad. Med, Model SKIGUARD.
- 160.064/575/0 Type III, Ad. Lg., Model SKIGUARD.
- 160.064/576/0 Type III, Ch. Med, Model SAILGUARD.
- 160.064/577/0 Type III, Adult, Model SAILGUARD.
- 160.064/578/0 Type III, Ad. XLg., Model Guardian or SPORTGUARD.
- 160.064/579/0 Type III, Ad. Sm., Model TWINGUARD.
- 160.064/580/0 Type III, Ad. Med., Model TWINGUARD.
- 160.064/581/0 Type III, Ad. Lg., Model TWINGUARD.
- 160.064/647/0 Type III, Ad. Lg., Model SEAMASTER.
- 160.064/648/0 Type III, Ad. Med. Model SEAMASTER.
- 160.064/649/0 Type III Buoyant Vest, Adult Small, Model SEAMASTER.
- 160.064/650/0 Type III Buoyant Vest, Child Medium (50 to 90 lb.), Model SEAMASTER.
- 160.064/701/0 Type III, Ad. XLg., Model WORKGUARD.
- 160.064/705/0 Type III, Ad. Sm., Model SEAMASTER Reversible.
- 160.064/706/0 Type III, Ad. Med, Model SEAMASTER Reversible.
- 160.064/707/0 Type III, Ad. Med, Model SEAMASTER Reversible.
- 160.064/708/0 Type III, Ch. Med, Model SEAMASTER Reversible.
- 160.064/709/0 Type III, Ad. Sm., Model SKIGUARD.
- 160.064/710/0 Type III, Ad. Med, Model SKIGUARD.
- 160.064/711/0 Type III, Ad. Lg., Model SKIGUARD.
- 160.064/712/0 Type III, Ad. XLg., Model SKIGUARD.
- 160.064/713/0 Type III, Ad. Lg., Model WORKGUARD.
- 160.064/714/0 Type III, Ad. Med, Model WORKGUARD.
- 160.064/795/0 Type III PFD, Adult small, Model No. SCS.
- 160.064/796/0 Type III PFD, Adult medium, Model No. SCM.
- 160.064/797/0 Type III PFD, Adult large, Model No. SCL.
- 160.064/798/0 Type III PFD, Adult X-large, Model No. SCXL.
- 160.064/1246/0 Type III, A/S, Model 707/725,6/750,1.
- 160.064/1247/0 Type III Boating Ski Sportsman Comp, Adult Medium, Model 707/725,6/750,1.
- 160.064/1248/0 Type III Boating Ski Sportsman Comp, Adult Large, Model 707/725,6/750,1.
- 160.064/1249/0 Type III Boating Ski Sportsman Comp, Adult X-Large, Model 707/725,6/750,1.
- 160.064/1250/0 Type III, A/S, Model 730/731,740/770+.
- 160.064/1251/0 Type III, A/M, Model 730/731,740/770+.

EQUIPMENT LISTS

160.064/1252/0 Type III, A/L, Model 730/731,740/770+.
 160.064/1253/0 Type III, A/XL, Model 730/731,740/770+.
 160.064/1254/0 Type III, C/S, Model 735.
 160.064/1255/0 Type III, C/M, Model 735.
 160.064/1658/0 Type III Boat/Ski/Sport/Comp/SU/Ut Vest, Slimfit Adult, Model 707,725,6,7,750,1.
 160.064/1659/0 Type III Boat/Ski/Sport/Sail/Ut Vest, Slimfit Adult, Model 730,31,40-42,52+.

Goodenow Manufacturing, 1301 West 18th Street, Erie, PA 16501

160.064/23/0 18 inch, Model No. LR-18.
 160.064/83/0 Adult, Model No. WST.
 160.064/353/0 Adult large, Model No. SK 72.
 160.064/354/0 Adult, Model No. SK 72.
 160.064/355/0 Youth, Model No. SK 72.
 160.064/626/0 Type III PFD, Child medium, Model No. KSY.
 160.064/627/0 Type III PFD, Adult, Model No. KSA.
 160.064/628/0 Type III PFD, Adult large, Model No. KSAL.
 160.064/629/0 Type III PFD, Adult large, Model No. KSAXL.

Greenadyk Manufacturing Co., Inc., Route 11, Buchanan, VA 24066

160.064/94/0 Type III PFD, Child small, model No. RE-C-1020.
 160.064/95/0 Type III PFD, Child medium, model No. RE-C-1021.
 160.064/96/0 Type III PFD, Adult medium, model No. RE-C-1023.
 160.064/97/0 Type III PFD, large medium, model No. RE-C-1023.
 160.064/155/0 Child, Model No. RE-T-1040.
 160.064/156/0 Adult small, Model No. RE-T-1041.
 160.064/157/0 Adult medium, Model No. RE-T-1042.
 160.064/174/0 Child medium, Model No. RE-LT-1031.
 160.064/175/0 Adult large, Model No. RE-LT-1033.
 160.064/176/0 Adult large, Model No. RE-LT-1033.
 160.064/294/0 Type III PFD, Child small, Model No. REC 1050.
 160.064/295/0 Type III PFD, Child medium, Model No. REC 1051.
 160.064/296/0 Type III PFD, Adult small, Model No. REC 1052.
 160.064/297/0 Type III PFD, Adult medium, Model No. REC 1053.
 160.064/298/0 Type III PFD, Adult large, Model No. REC 1054.

Grumman Boats, South Street, Marathon, NY 13803

160.064/780/0 Type III PFD, Child medium, Model No. 942 CM.
 160.064/781/0 Type III PFD, Child medium, Model No. 943 JR.
 160.064/782/0 Type III PFD, Adult medium, Model No. 994 M.
 160.064/783/0 Type III PFD, Adult large, Model No. 995 L.
 160.064/784/0 Type III PFD, Adult X-large, Model No. 996 XL.
 160.064/1120/0 Type III Buoyant Sport Vest, Adult Universal, Model 946.
 160.064/1121/0 Type III Buoyant Sport Vest, Adult Universal, Model 945.
 160.064/1122/0 Type III Buoyant Sport Vest, Adult Universal, Model 944.
 160.064/1123/0 Type III Buoyant Sport Vest, Adult Universal, Model 943.

Henry R Hinckley & Company, Southwest Harbor, ME 04769

160.064/2496/0 Type IV Horseshoe Ring, 23"x21", Model 999.

High Performance Products, Inc., 25 Industrial Park, Hingham, MA 02043

160.064/679/0 Type III PFD, Model S, Adult small.
 160.064/680/0 Type III PFD, Model S, Adult medium.
 160.064/681/0 Type III PFD, Model S, Adult large.

FORMERLY APPROVED LIFESAVING EQUIPMENT

- Himalayan Industries, Inc., 301 Mulberry St., Pine Bluff, AR 71601
 160.064/766/0 Type III, Child Med., Model 531.
 160.064/767/0 Type III, Ad. Univ., Model 501, 511, 541, 551, 521.
 160.064/768/0 Type III, Ad. Univ., Model 502, 512, 542, 552, 522.
 160.064/769/0 Type III, Ad. Univ., Model 502, 512, 542, 552, 522.
 160.064/770/0 Type III, Ad. Univ., Model 504, 514, 544, 554, 524.
 160.064/854/0 Type III, Ch. Sm, Model 530.
 160.064/855/0 Type III, Ad. Univ., Model 500, 510, 540, 550, 520.
- Hurn Manufacturing Co., 1875 Celina Rd., St. Marys, OH 45885
 160.064/2033/0 Type III Buoyant Vest, Child Small (30 to 50 lb.), Model 101.
 160.064/2034/0 Type III Buoyant Vest, Youth (50 to 90 lb.), Model 102.
 160.064/2035/0 Type III Buoyant Vest, Adult X-Small, Model 103.
 160.064/2036/0 Type III Buoyant Vest, Adult Small, Model 104.
 160.064/2037/0 Type III Buoyant Vest, Adult Medium, Model 105.
 160.064/2038/0 Type III Buoyant Vest, Adult Large, Model 106.
 160.064/2039/0 Type III Buoyant Vest, Adult X-Large, Model 107.
- Hurtsboro Oak Flooring Co., Inc., Hurtsboro, AL 36860
 160.064/51/0 Child medium, Model No. SCCM.
 160.064/52/0 Adult large, Model No. SCAL.
 160.064/53/0 Adult medium, Model No. SCAM.
 160.064/54/0 Adult small, Model No. SCAS.
 160.064/446/0 Child medium, Model No. 1, Type III PFD.
 160.064/447/0 Adult small, Model No. 2, Type III PFD.
 160.064/448/0 Adult medium, Model No. 3, Type III PFD.
 160.064/449/0 Adult large, Model No. 4, Type III PFD.
 160.064/450/0 Adult X-large, Model No. 5, Type III PFD.
- James Bliss & Co., 342 Atlantic Ave., Boston, MA 02110
 160.064/110/0 Type III PFD, Model 432XS, Adult X-small.
 160.064/111/0 Type III PFD, Model 432S, Adult small.
 160.064/112/0 Type III PFD, Model 432M, Adult medium.
 160.064/113/0 Type III PFD, Model 432L, Adult large.
 160.064/114/0 Type III PFD, Model 432XL, Adult X-large.
- Kawasaki Motors Corp. USA, 2009 East Edinger Ave., P.O. Box 25252, Santa Ana, CA 92799-5252
 160.064/1574/0 Type III YOUTH, Model 6605.
 160.064/1575/0 Type III, A/M, Model 6605.
 160.064/1576/0 Type III, A/L, Model 6605.
 160.064/1577/0 Type III, A/X-L, Model 6605.
 160.064/1578/0 Type III, A/XXX-L, Model 6605.
- Kent Sporting Goods Co., 433 Park Ave. South, State Route 60, New London, OH 44851
 160.064/835/1 Type III Buoyant Vest, Adult, Model 7118.
 160.064/836/1 Type III Buoyant Vest, Adult, Model 7218.
 160.064/837/1 Type III Buoyant Vest, Adult, Model 7318.
 160.064/846/0 Type III, C-M, Model 8318-34.
 160.064/847/0 Type III, Ad. Med., Model 8418-34.
 160.064/848/0 Type III, Ad. Lg., Model 8818-34.
 160.064/849/0 Type III, Ad. Lg., Model 8918-34.
 160.064/1080/1 Type III Hunt And Fish Vest, Child Small (30 to 50 lb.), Model 5038.
 160.064/1081/1 Type III Hunt And Fish Vest, Youth (50 to 90 lb.), Model 5138.
 160.064/1082/1 Type III Hunt And Fish Vest, Adult Small, Model 5538.

EQUIPMENT LISTS

- 160.064/1083/1 Type III Hunt/Fish/Boat/Ski Vest, Adult Medium, Model 5628, 38/6, 71182.
 160.064/1084/1 Type III Hunt/Fish/Boat/Ski Vest, Adult Large, Model 5728, 38/6, 72182.
 160.064/1085/1 Type III Hunt/Fish/Boat/Ski Vest, Adult X-Large, Model 5828, 38/6, 73182.
 160.064/1265/0 Type III, Ladies, Model 8018-65, or -20.
 160.064/1271/1 Type III, Ad. Sm., Model 8318-16, or -20.
 160.064/1272/1 Type III, Ad. Med., Model 8418-16, or -20.
 160.064/1273/1 Type III, Ad. Lg., Model 8818-16, or -20.
 160.064/1274/1 Type III, Ad. Lg., Model 8918-16, or -20.
 160.064/1523/0 Type II All Purpose Boating Vest, Adult, Model 8838.
 160.064/1585/0 Type II General Purpose Canoe Vest, Adult Universal, Model CKK.
 160.064/1692/0 Type III General Purpose Vest, Adult Universal, Model A.
 160.064/1700/0 Type III General Purpose Vest, Adult Universal, Model A-1.
 160.064/1701/0 Type III General Purpose Vest, Adult Universal, Model A2A.
 160.064/1733/0 Type III General Purpose Vest, Adult Universal, Model A1A.
 160.064/1734/0 Type III General Purpose Vest, Adult Universal, Model A2.
 160.064/1735/0 Type III General Purpose Vest, Youth (50-90 lb.), Model Y.
 160.064/1736/0 Type III General Purpose Vest, Youth (50-90 lb.), Model Y1.
 160.064/1737/0 Type III General Purpose Vest, Child (30-50 lb.), Model C.
 160.064/1738/0 Type III General Purpose Vest, CHILD (30-50 lb.), Model C1.
 160.064/2028/0 Type III General Purpose Vest, Adult Universal, Model A3/A3A.
 160.064/2196/0 Type V Board Sailing Vest, Adult Small/Medium, Model 905.
 160.064/2197/0 Type V Board Sailing Vest, Adult X-Large, Model 907.
 160.064/2266/0 Model 700, Toddler, "BUOYANT VEST", Type II PFD.
 160.064/2553/0 Type III Buoyant Vest, Adult 36"-38", Model 6672.
 160.064/2554/0 Type III Buoyant Vest, Adult 38"-40", Model 6673.
 160.064/2555/0 Type III Buoyant Vest, Adult 40"-44", Model 6674.
 160.064/2556/0 Type III Buoyant Vest, Adult 44"-48", Model 6675.
 160.064/2557/0 Type III Buoyant Vest, Adult 36"-38", Model 7672.
 160.064/2558/0 Type III Buoyant Vest, Adult 38"-40", Model 7673.
 160.064/2559/0 Type III Buoyant Vest, Adult 40"-44", Model 7674.
 160.064/2560/0 Type III Buoyant Vest, Adult 44"-48", Model 7675.
 160.064/2578/0 Type III General Purpose Adult 32"-40", Model 471.
 160.064/2580/0 Type III General Purpose Vest, Child 26"-29" (50-90 lb.), Model J1.
 160.064/2585/0 Type III General Purpose Vest, Child 26"-29" (50-90 lb.), Model J2.
 160.064/2586/0 Type III General Purpose Vest, Child 20"-25" (30-50 lb.), Model C2.
 160.064/2587/0 Type III General Purpose Vest, Child 26"-29" (50-90 lb.), Model Y2.
 160.064/2592/0 Type III General Purpose Vest, Child 20"-25" (30-50 lb.), Model C1C.
 160.064/2692/0 Model YY2, Youth (for persons weighing 50 - 90 lbs, 26" - 29" chest), cloth-covered unicellular plastic foam "GENERAL PURPOSE VEST", Type III.
 160.064/2693/0 Model CC1C, Child (for persons 50 - 90 lbs, 20" - 25" chest), cloth-covered unicellular plastic foam "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2716/0 Type III Ski & Boating Vest, Adult 30"-33", Model 741.
 160.064/2717/0 Type III Ski & Boating Vest, Adult 33"-36", Model 742.
 160.064/2718/0 Type III Ski & Boating Vest, Adult 36"-40", Model 743.
 160.064/2845/0 Model C1CZ, Child (for persons 30 to 50 lb), cloth-covered unicellular plastic foam "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2846/0 Model Y1Z, Youth (for persons 50 to 90 lb), cloth covered unicellular plastic foam "GENERAL PURPOSE VEST", Type III PFD.
 160.064/2948/0 Model BV-4, Child Medium or Youth, "BUOYANT VEST", Type III PFD.
 160.064/2952/0 Model BV-4, Toddler, "BUOYANT VEST", Type II PFD.

L. S. Brown Co., 228 Margaret St. SE, Atlanta, GA 30315

160.064/677/0 Type III PFD, Model SM1000, Adult medium.

160.064/678/0 Type III PFD, Model SM2000, Adult large.

FORMERLY APPROVED LIFESAVING EQUIPMENT

Life Lines Racing Jackets, 3533 Ocean View Blvd., Glendale, CA 91208

- 160.064/507/0 Type III Motorboat Racing Jacket, Adult Small, Model LLJ-1.
- 160.064/508/0 Type III Motorboat Racing Jacket, Adult Medium, Model LLJ-1.
- 160.064/509/0 Type III Motorboat Racing Jacket, Adult Large, Model LLJ-1.
- 160.064/510/0 Type III Motorboat Racing Jacket, Adult X-Large, Model LLJ-1.

Maherajah Water Skis, Healdsburg, CA 95433

- 160.064/838/0 Model 505, Adult Small, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/839/0 Model 505, Adult Medium, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/840/0 Model 505, Adult Large, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/841/0 Model 505, Adult X-Large, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/1065/0 Model 505, Child Small, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/1066/0 Model 505, Child Medium, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/1067/0 Model 505, Adult, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/1597/0 Type III, Ad. XLg., Model 705A.
- 160.064/1598/0 Type III, Ad. Lg., Model 705B.
- 160.064/1599/0 Type III, Ad. Med., Model 705C.
- 160.064/1600/0 Type III, Ad. Sm., Model 705D.
- 160.064/1601/0 Type III, Ad. X-Sm., Model 705E.
- 160.064/1602/0 Type III, Youth M, Model 705F.
- 160.064/1603/0 Type III, Child, Model 705G.

Maravia Corp., P.O. Box 404, Boise, ID 83701

- 160.064/878/0 Type III, Ad. Univ., Model 40-1025.

Martin Industries, P.O. Box 423, Clayton, AL 36016

- 160.064/43/0 18-inch Model LRB-1.
- 160.064/79/0 Child, Model No. CGJS.
- 160.064/85/0 Adult, Model No. CGJL.

Massalite Co., P.O. Box 214, Winnetka, IL 60093

- 160.064/1524/0 Type IV, Horseshoe Buoy, 24 in., Model 134.
- 160.064/1525/0 Type IV, Horseshoe Buoy, 22 in., Model 132.

Medalist Industries, 11525 Sorrento Valley, San Diego, CA 92121

- 160.064/552/0 Type III Water Ski Vest, Child Medium (50 to 90 lb.), Model 7201.
- 160.064/553/0 Type III Water Ski Vest, Adult, Model 7202.
- 160.064/554/0 Type III Water Ski Vest, Adult, Model 7203.
- 160.064/555/0 Type III Water Ski Vest, Adult, Model 7204.
- 160.064/556/0 Type III Water Ski Vest, Adult, Model 7205.
- 160.064/557/0 Type III Water Ski Vest, Ladies' Adult, Model 7206.
- 160.064/558/0 Type III Swim Vest, Child Small, Model 7207.
- 160.064/559/0 Type III Swim Vest, Child Small, Model 7208.
- 160.064/560/0 Type III Sailor's Buoyant Vest, Adult Sm./Med., Model 7219.
- 160.064/561/0 Type III Sailor's Buoyant Vest, Adult Lg./X-Lg., Model 7220.
- 160.064/562/0 Type III Sportsman's Buoyant Vest, Adult Sm./Med., Model 7221.
- 160.064/563/0 Type III Sportsman's Buoyant Vest, Adult Lg./X-Lg., Model 7221.
- 160.064/564/0 Type IV Ring Buoy (18-inch), Model CG-18.

160.064/642/0 Type III, C-M, Model 7209.
 160.064/823/0 Type III, C-S, Model 7321.
 160.064/824/0 Type III, C-S, Model 7322.

Medalist/Thompson, Crivitz, WI 54114

160.064/379/0 Type III Water Ski Vest, Child Medium (50 to 90 lb.), Model TDV-4.
 160.064/380/0 Type III Water Ski Vest, Adult, Model TDV-5.
 160.064/381/0 Type III Water Ski Vest, Adult, Model TDV-6.
 160.064/382/0 Type III Water Ski Vest, Adult, Model TDV-7.
 160.064/383/0 Type III Water Ski Vest, Adult, Model TDV-8.
 160.064/384/0 Type III Water Ski Vest, Ladies' Adult, Model TLV-5.
 160.064/802/0 Type III, C-M, Model 6308.
 160.064/803/0 Type III, Adult Universal Model 6309.
 160.064/804/0 Type III, Adult Universal Model 6310.
 160.064/805/0 Type III, Adult Universal Model 6311.
 160.064/806/0 Type III, Adult Universal Model 6312.
 160.064/807/0 Type III, C-M Model 6350.
 160.064/808/0 Type III, A-M Model 6351.
 160.064/809/0 Type III, A-L Model 6352.
 160.064/810/0 Type III, A-XL Model 6353.

Medalist Water Sports, 2600 Industrial St., P.O. Box 46, Leesburg, FL 32748

160.064/24/0 Type IV Ring Buoy, Model 6534-18.
 160.064/151/0 Type III Ski And Sport Safety Jacket, Child Small (under 50 lb.), Model CGV-XS.
 160.064/152/0 Type III Ski And Sport Safety Jacket, Child Small (under 50 lb.), Model CGV-S/M.
 160.064/153/0 Type III Ski And Sport Safety Jacket, Adult, Model CGV-M/L.
 160.064/154/0 Type III Ski And Sport Safety Jacket, Adult, Model CGV-L/XL.
 160.064/234/0 Type III Water Ski Vest, Child Medium (50 to 90 lb.), Model 2020 or 2030.
 160.064/239/0 Type III Water Ski Vest, Ladies' Adult, Model 6654.
 160.064/394/0 Type III Sailor's Buoyant Vest, Adult Small/Medium, Model 100D.
 160.064/396/0 Type III Sailor's Buoyant Vest, Adult Large/X-Large, Model 100F.
 160.064/397/0 Type III Sportsman Buoyant Vest, Adult Small/Medium, Model 200H.
 160.064/398/0 Type III Sportsman Buoyant Vest, Adult Large/X-Large, Model 200I.
 160.064/452/0 Type III Life Jacket-swim Vest, Child X-Small (under 50 lb.), Model 2010 Junior.
 160.064/641/0 Type III Water Ski Vest, Child Medium (50 to 90 lb.), Model 6658.
 160.064/715/0 Type III Water Ski Vest, Child Medium (50 to 90 lb.), Model 6604.
 160.064/716/0 Type III Water Ski Vest, Adult, Model 6604.
 160.064/717/0 Type III Water Ski Vest, Adult, Model 6604.
 160.064/718/0 Type III Water Ski Vest, Adult, Model 6604.
 160.064/719/0 Type III Water Ski Vest, Adult, Model 6604.
 160.064/720/0 Type III Boating Vest, Child Small (30 to 50 lb.), Model 1010 PEE WEE.
 160.064/721/0 Type III Boating Vest, Child Small (30 to 50 lb.), Model 1010 Junior.
 160.064/722/0 Type III Boating Vest, Youth (50 to 90 lb.), Model 1030.
 160.064/723/0 Type III Boating Vest, Adult Medium, Model 1030.
 160.064/724/0 Type III Boating Vest, Adult Large, Model 1030.
 160.064/725/0 Type III Boating Vest, Adult X-Large, Model 1030.
 160.064/726/0 Type III Boating Vest, Adult XX-Large, Model 1030.
 160.064/727/0 Type III Ladies' Boating Vest, Adult Medium, Model 1032.
 160.064/728/0 Type III Ladies' Boating Vest, Adult Large, Model 1032.
 160.064/729/0 Type III Boating Buoyant Vest, Youth (50 to 90 lb.), Model 1010.
 160.064/732/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model 6632.
 160.064/733/0 Type II Buoyant Vest, Child Medium (50 to 90 lb.), Model 6632.
 160.064/734/0 Type II Buoyant Vest, Adult, Model 6632.

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- 160.064/735/0 Type III Boating Vest, Adult Medium, Model 1050.
 160.064/736/0 Type III Boating Vest, Adult Large, Model 1050.
 160.064/737/0 Type III Boating Vest, Adult X-Large, Model 1050.
 160.064/738/0 Type III Boating Vest, Adult XX-Large, Model 1050.
 160.064/739/0 Type II Fishing Vest, Adult Medium, Model 8340.
 160.064/740/0 Type II Fishing Vest, Adult Large, Model 8341.
 160.064/741/0 Type II Fishing Vest, Adult X-Large, Model 8342.
 160.064/742/0 Type II Fishing Vest, Adult, Model 8343.
- Mermatec, Inc., 3332 Industrial Ct., San Diego, CA 92121
 160.064/147/0 Type III Ski N Sport Safety Jacket, Child Small (under 50 lb.), Model CGV-XS.
 160.064/148/0 Type III Ski N Sport Safety Jacket, Child Medium (50 to 90 lb.), Model CGV-S/M.
 160.064/149/0 Type III Ski N Sport Safety Jacket, Adult Large, Model CGV-M/L.
 160.064/150/0 Type III Ski N Sport Safety Jacket, Adult X-Large, Model CGV-L/XL.
 160.064/264/0 Type III, C-M, Model CDV-4.
 160.064/265/0 Type III, Adult, Model CDV-5.
 160.064/266/0 Type III, Adult, Model CDV-6.
 160.064/267/0 Type III, Adult, Model CDV-7.
 160.064/268/0 Type III, Adult, Model CDV-8.
 160.064/269/0 Type III, Adult, Model CLF-5.
 160.064/424/0 Model 100DM, Adult Small, vinyl dipped unicellular plastic foam "SAILOR'S BUOYANT VEST", Type III PFD.
 160.064/425/0 Model 100FM, Adult L/XL, vinyl dipped unicellular plastic foam "SAILOR'S BUOYANT VEST", Type III PFD.
 160.064/426/0 Model 200HM, Adult Small, vinyl dipped unicellular plastic foam "SPORTSMAN BUOYANT VEST", Type III PFD.
 160.064/427/0 Type III, A-L/XL, Model 200 JM.
 160.064/453/0 Type III, C-S, Model CGSV-P.
 160.064/454/0 Type III, C-S, Model CGSV-I.
- Midwest Outerwear, Inc., Port Washington, WI 53074
 160.064/375/0 Adult small, Model No. 2001, Type III PFD.
 160.064/376/0 Adult medium, Model No. 2001, Type III PFD.
 160.064/377/0 Adult large, Model No. 2001, Type III PFD.
 160.064/378/0 Adult X-large, Model No. 2001, Type III PFD.
 160.064/385/0 Adult small, Model No. 2005, Type III PFD.
 160.064/386/0 Adult medium, Model No. 2005, Type III PFD.
 160.064/387/0 Adult large, Model No. 2005, Type III PFD.
 160.064/388/0 Adult large, Model No. 2005, Type III PFD.
 160.064/458/0 Adult small, Model No. 2002, Type III PFD.
 160.064/459/0 Adult medium, Model No. 2002, Type III PFD.
 160.064/460/0 Adult large, Model No. 2002, Type III PFD.
- Milico Marine Industries, 400 Thetford Ave., Brooklyn, NY 11212
 160.064/500/0 Adult medium, Model No. AM, Type III PFD.
 160.064/501/0 Adult large, Model No. AL, Type III PFD.
 160.064/502/0 Adult X-large, Model No. AXL, Type III PFD.
 160.064/743/0 Type III Buoyant Vest, Child Medium (50 to 90 lb.), Model 600.
 160.064/744/0 Type III Buoyant Vest, Adult Small/Medium, Model 601.
 160.064/885/0 Type III Buoyant Vest, Adult, Model 705.
 160.064/886/0 Type III Buoyant Vest, Adult, Model 805.
 160.064/1225/0 Type III Buoyant Cushion, Model 205.
 160.064/1229/0 Type III Buoyant Vest, Adult, Model 404.
 160.064/1521/0 Type III Water Safety Foam Vest, Child Small (30 to 50 lb.), Model 800 KIDDEE.

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- 160.064/1522/0 Type III Water Safety Foam Vest, Child Medium (50 to 90 lb.), Model 802 Junior.
 160.064/1560/0 Type III Water Safety Foam Vest, Adult, Model 505.
 160.064/1590/0 Type III Water Safety Foam Vest, Child Small (30 to 50 lb.), Model 503 KIDDEE.
 160.064/1591/0 Type III Water Safety Foam Vest, Child Medium (50 to 90 lb.), Model 504 Junior.
 160.064/1775/0 Type III General Boating Vest, Adult, Model 401.
 160.064/2186/0 Type IV Buoyant Cushion, 17" Model 207.
 160.064/2187/0 Type IV Recreational Ring Cushion, 20" Model 209.
 160.064/2198/0 Type III Water Safety Foam Vest, Child 20"-25" (30-50 lb.), Model 450.
 160.064/2199/0 Type III Water Safety Foam Vest, 24-29 (50-90 lb.), Model 451.
 160.064/2200/0 Type III Water Safety Foam Vest, Adult 30"-52", Model 452.
 160.064/2231/0 Type II General Boating Vest, Child 15"-21" (under 50 lb.), Model 100.
 160.064/2232/0 Type II General Boating Vest, Child 20"-25" (30-50 lb.), Model 101.

Mustang Industries, Inc., 3810 Jacombs Rd., Richmond, British Columbia, Canada V6V 1Y6

- 160.064/1314/0 Type III Float Coat Adult Small, Model 101.
 160.064/1315/0 Type III Float Coat Adult Medium, Model 101.
 160.064/1316/0 Type III Float Coat Adult Large, Model 101.
 160.064/1317/0 Type III Float Coat Adult X-Large, Model 101.
 160.064/1318/0 Type III Float Coat Adult Medium, Model 202.
 160.064/1319/0 Type III Float Coat Adult Large, Model 202.

Nash Manufacturing, Inc., Villa de Pesca Condo 4, Port Aransas, TX 78373

- 160.064/996/0 Type III, C-M, Model SV-1.
 160.064/997/0 Type III, Adult, Model SV-2.
 160.064/998/0 Type III, Adult, Model SV-3.
 160.064/999/0 Type III, Adult, Model SV-4.
 160.064/1000/0 Type III, Adult, Model SV-5.
 160.064/1054/0 Type III, Adult, Model SV-2A.
 160.064/1055/0 Type III, Adult, Model SV-3A.
 160.064/1056/0 Type III, Adult, Model SV-4A.

Nautical Interiors Corp., 5009 Rondo Drive, Ft. Worth, TX 76106

- 160.064/2458/0 Type IV Buoyant Cushion, 15"x14", Model SLS-10.

Navigear, Inc., P.O. Box 6848, Warwick, RI 02887

- 160.064/2814/0 Model 101W, Adult Universal, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2816/0 Model 151W, Adult Small/Medium, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2817/0 Model 201W, Adult Large/X-Large, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2825/0 Model 101B, Adult Universal, cloth covered unicellular plastic foam "BASIC BOATING VEST", Type III PFD.
 160.064/2852/0 Model 453W, Adult X-Small, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2853/0 Model 503W, Adult Small, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2854/0 Model 553W, Adult Medium, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2855/0 Model 603W, Adult Large, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2856/0 Model 653W, Adult X-Large, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2857/0 Model 703W, Adult XX-Large, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.

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- Type III PFD.
 160.064/2858/0 Model 452W, Adult X-Small, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2859/0 Model 502W, Adult Small, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2860/0 Model 552W, Adult Medium, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2861/0 Model 602W, Adult Large, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2862/0 Model 652W, Adult X-Large, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/2877/0 Model 554W, Adult Medium (chest size 34 - 36 inches), cloth-covered unicellular plastic foam, "WATER SKI VEST", Type III PFD.
 160.064/2878/0 Model 454B, Adult X-Small, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
 160.064/2879/0 Model 504B, Adult Small, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
 160.064/2880/0 Model 554B, Adult Medium, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
 160.064/2881/0 Model 604B, Adult Large, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
 160.064/2882/0 Model 654B, Adult X-Large, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- Nihon Kyamsekigu Manufacturing Co., Yamura Factory, 500 Shimoya Tsurushi, Yamanashi-Ken, Japan
 160.064/842/0 Type III PFD, Adult, Model No. 5020.
 160.064/843/0 Type III PFD, Adult, Model No. 5020.
 160.064/844/0 Type III PFD, Child, Model No. 5030.
 160.064/845/0 Type III PFD, Child medium, Model No. 5030.
- North Sports Div. of North Sails, Suite 37, 8535 Baymeadows Rd., Jacksonville, FL 32216
 160.064/A1760/0 Type III General Boating Vest, Child Small (30-50 lb.), Model NSY-1.
 160.064/A1761/0 Type III General Boating Vest, Child Medium (30-50 lb.), Model NSY-1.
 160.064/A1782/0 Model GP-30, Youth, "BUOYANT SPORTS VEST" or "GENERAL BOATING VEST", Type III PFD.
 160.064/A1783/0 Model GP-40, Adult-Small, "BUOYANT SPORTS VEST" or "GENERAL BOATING VEST", Type III PFD.
 160.064/A1784/0 Type III General Boating Vest, Adult 34"-38", Model NS-3.
 160.064/A1785/0 Type III General Boating Vest, Adult 40"-44", Model NS-3.
 160.064/A1786/0 Type III General Boating Vest, Adult 46"-50", Model NS-3.
 160.064/A2145/0 Type III General Boating Vest, Adult Small, Model NS-2.
 160.064/A2146/0 Type III General Boating Vest, Adult Medium, Model NS-2.
 160.064/A2147/0 Type III General Boating Vest, Adult Large, Model NS-2.
 160.064/A2148/0 Type III General Boating Vest, Adult X-Large, Model NS-2.
 160.064/A2151/0 Type III General Boating Vest, Adult 30"-34", Model NS-1.
 160.064/A2152/0 Type III General Boating Vest, Adult 35"-38", Model NS-1.
 160.064/A2153/0 Type III General Boating Vest, Adult 39"-42", Model NS-1.
 160.064/A2154/0 Type III General Boating Vest, Adult 43"-47", Model NS-1.
 160.064/A2155/0 Type III General Boating Vest, Adult 48"-52", Model NS-1.
 160.064/A2160/0 Type III Flotation Vest, Youth (50-90 lb.), Model NY-1.
 160.064/A2175/0 Type III General Boating Vest, Adult Small, Model NS-3.
 160.064/A2176/0 Type III General Boating Vest, Adult Medium, Model NS-3.
 160.064/A2177/0 Type III General Boating Vest, Adult Large, Model NS-3.

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160.064/A2178/0 Type III General Boating Vest, Adult X-Large, Model NS-3.

Nova Products, Inc., P.O. Box 32, Carrollton, GA 30117

- 160.064/218/0 Type III, Adult, Model 1100.
- 160.064/591/0 Type III, Adult Medium, Model SKV-2.
- 160.064/592/0 Type III, Ad. Lg, Model SKV-3.
- 160.064/593/0 Type III, Ad. XLg, Model SKV-3.
- 160.064/A636/0 Type III Sailing Water Ski Vest, Child Medium (50-90 lb.), Model SKV-1.
- 160.064/682/0 Type III, Ch. Med, Model SKV-1.
- 160.064/A1016/0 Type III Sailing/Water Ski Vest, Adult Universal, Model SKV-2A.
- 160.064/A1017/0 Type III Sailing/Water Ski Vest, Adult Universal, Model SKV-3A.
- 160.064/A1018/0 Type III Sailing/Water Ski Vest, Adult Universal, Model SKV-4A.
- 160.064/1050/0 Type III, Adult, Model SKV-2A.
- 160.064/1051/0 Type III, Adult, Model SKV-3A.
- 160.064/1052/0 Type III, Adult, Model SKV-4A.
- 160.064/1053/0 Type III, Adult, Model SKV-5.
- 160.064/A1547/0 Type III Sailing/Water Ski Vest, Adult Universal, Model SKV-6.
- 160.064/A1548/0 Type III Sailing/Water Ski Vest, Adult Universal, Model 1001.

O'Brien International, Inc., Div. of the Coleman Co., 14615 NE 91st St., Redmond, WA 98052

- 160.064/348/0 Adult large, Model No. 100L, Type III PFD.
- 160.064/428/0 Child medium, Model No. 100M, Type III PFD.
- 160.064/429/0 Adult X-large, Model No. 100XL, Type III PFD.
- 160.064/430/0 Adult XX-large, Model No. 100XXL, Type III PFD.
- 160.064/474/0 Child medium, Model No. 100S, Type III PFD.
- 160.064/565/0 Child small, Model No. 200, Type III PFD.
- 160.064/566/0 Child medium, Model No. 200J, Type III PFD.
- 160.064/567/0 Child medium, Model No. 200XS, Type III PFD.
- 160.064/568/0 Child large, Model No. 200S, Type III PFD.
- 160.064/569/0 Adult small, Model No. 200M, Type III PFD.
- 160.064/570/0 Adult medium, Model No. 200L, Type III PFD.
- 160.064/571/0 Adult large, Model No. 200XL, Type III PFD.
- 160.064/572/0 Adult X-large, Model No. 200XXL, Type III PFD.
- 160.064/A1064/0 Model NO. 200XXL, Adult XX-Large, "SAIL 'N' SKI VEST", Type III PFD.
- 160.064/1287/0 Type III, Ch. S., Model 505.
- 160.064/1288/0 Type III, C-M, Model 505.
- 160.064/1289/0 Type III, Adult XSm., Model 505.
- 160.064/1290/0 Type III, Adult Sm., Model 505.
- 160.064/1291/0 Type III, Adult Med., Model 505.
- 160.064/1292/0 Type III, Adult Lg., Model 505.
- 160.064/1293/0 Type III, Adult X-Lg., Model 505.
- 160.064/1360/0 Type III Sail N Ski Vest, Adult XX-Large, Model 200XXL.
- 160.064/1513/0 Type III, Child, Model 505A.
- 160.064/1514/0 Type III, Youth, Model 505A.
- 160.064/1515/0 Type III, Adult X-Sm., Model 505A.
- 160.064/1516/0 Type III, Adult Sm., Model 505A.
- 160.064/1517/0 Type III, Adult Med., Model 505A.
- 160.064/1518/0 Type III, Adult Lg., Model 505A.
- 160.064/1519/0 Type III, Adult X-Lg., Model 505A.
- 160.064/C2268/0 Type III Sailboard Vest, Adult 30"-40", Model A-0755.
- 160.064/C2269/0 Type III Sailboard Vest, Adult 40"-48", Model A-0756.

Offshore Products, Inc., El Cajon, CA 92020

- 160.064/1410/0 Model 5313, Adult Small, cloth covered unicellular plastic foam "BOATING VEST", Type III PFD.

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- 160.064/1411/0 Model 5314, Adult Medium, cloth covered unicellular plastic foam "BOATING VEST", Type III PFD.
- 160.064/1412/0 Model 5316, Adult Large, cloth covered unicellular plastic foam "BOATING VEST", Type III PFD.
- 160.064/1413/0 Model 5317, Adult X-Large, cloth covered unicellular plastic foam "BOATING VEST", Type III PFD.
- 160.064/1414/0 Model 5413, Adult Small, cloth covered unicellular plastic foam "BOATING VEST", Type III PFD.
- 160.064/1415/0 Model 5414, Adult Medium, cloth covered unicellular plastic foam "WATER SPORTS VEST", Type III PFD.
- 160.064/1416/0 Model 5416, Adult Large, cloth covered unicellular plastic foam "WATER SPORTS VEST", Type III PFD.
- 160.064/1417/0 Model 5417, Adult X-Large, cloth covered unicellular plastic foam "WATER SPORTS VEST", Type III PFD.
- 160.064/1418/0 Model 5613, Adult Small, cloth covered unicellular plastic foam "WATER SPORTS VEST (FEATHERWEIGHT)", Type III PFD.
- 160.064/1419/0 Model 5614, Adult Medium, cloth covered unicellular plastic foam "WATER SPORTS VEST (FEATHERWEIGHT)", Type III PFD.
- 160.064/1420/0 Model 5616, Adult Large, cloth covered unicellular plastic foam "WATER SPORTS VEST (FEATHERWEIGHT)", Type III PFD.
- 160.064/1421/0 Model 5617, Adult X-Large, cloth covered unicellular plastic foam "WATER SPORTS VEST (FEATHERWEIGHT)", Type III PFD.
- 160.064/1423/0 Type III, Ad. Sm, Model 5113, 5123, 5133.
- 160.064/1424/0 Type III, Ad. Med, Model 5114, 5124, 5134.
- 160.064/1425/0 Type III, Ad. Lg, Model 5116, 5126, 5136.
- 160.064/1426/0 Type III, Youth, Model 5213, 5223, 5233.
- 160.064/1427/0 Type III, Ad. Med., Model 5214, 5224, 5234.
- 160.064/1428/0 Type III, Ad. Lg., Model 5216, 5226, 5236.
- 160.064/1429/0 Type III Trapeze Vest, Adult Small/Medium, Model No. 5514.
- 160.064/1430/0 Type III Trapeze Vest, Adult Medium/Large, Model No. 5515.
- OMC Parts and Accessories Div., 3225 Prairie Ave., Beloit, WI 53511
- 160.064/A235/0 Type III Water Ski Vest, Adult Small, Model 2030.
- 160.064/A236/0 Type III Water Ski Vest, Adult Medium, Model 2030.
- 160.064/A237/0 Type III Water Ski Vest, Adult Large, Model 2030.
- 160.064/A238/0 Type III Water Ski Vest, Adult X-Large, Model 2030.
- 160.064/A451/0 Type III Swim or Water Ski Vest, Pee Wee (under 50 lb.), Model 2010.
- 160.064/A771/0 Type III Swim or Water Ski Vest, Youth (50-90 lb.), Model 2010.
- 160.064/911/0 Type III, C-M, Model 173097.
- 160.064/912/0 Type III, Ad. Univ., Model 173098.
- 160.064/913/0 Type III, Ad. Univ., Model 173099.
- 160.064/914/0 Type III, Ad. Univ., Model 173100.
- 160.064/915/0 Type III, Ad. Univ., Model 173101.
- 160.064/916/0 Type III Water Ski Vest, C M (50 to 90 lb.), Model 173121.
- 160.064/917/0 Type III Water Ski Vest, Adult, Model 173123.
- 160.064/918/0 Type III Water Ski Vest, Adult, Model 173125.
- 160.064/919/0 Type III Water Ski Vest, Adult, Model 173127.
- 160.064/920/0 Type III Water Ski Vest, Adult, Model 173129.
- 160.064/921/0 Type III Water Ski Vest, Adult, Model 173131.
- 160.064/922/0 Type III, C-S, Model 173067.
- 160.064/923/0 Type III, C-S, Model 173068.
- 160.064/924/0 Type III, C-M, Model 173069.
- 160.064/925/0 Type III, Adult Univ., Model 173070.

160.064/926/0 Type III, Adult Univ., Model 173071.
 160.064/927/0 Type III, Adult Univ., Model 173072.
 160.064/928/0 Type III, Adult Univ., Model 173073.
 160.064/929/0 Type III, Adult Univ., Model 173074.
 160.064/930/0 Type III, Adult Univ., Model 173075.
 160.064/931/0 Type III, Adult Univ., Model 173093.
 160.064/932/0 Type III, Adult Univ., Model 173094.
 160.064/933/0 Type III, Adult Univ., Model 173095.
 160.064/934/0 Type III, Adult Univ., Model 173096.
 160.064/935/0 Type III, Adult Univ., Model 173089.
 160.064/936/0 Type III, Adult Univ., Model 173090.
 160.064/937/0 Type III, Adult Univ., Model 173091.
 160.064/938/0 Type III, Adult Univ., Model 173092.
 160.064/939/0 Type III, Youth, Model 173137.
 160.064/940/0 Type III, Adult Med., Model 173139.
 160.064/941/0 Type III, Adult Lg., Model 173141.
 160.064/942/0 Type III, Adult X-Lg., Model 173143.
 160.064/943/0 Type III, Adult XX-Lg., Model 173145.
 160.064/944/0 Type III, Child Med., Model 173097.
 160.064/945/0 Type III, Adult Med., Model 173098.
 160.064/946/0 Type III, Adult Lg., Model 173099.
 160.064/947/0 Type III Water Ski Vest, Adult X-Large, Model 173200.
 160.064/948/0 Type III, Adult XXLg., Model 173201.
 160.064/949/0 Type III, Adult Ladies, Model 173202.
 160.064/950/0 Type III, Child Sm., Model 173167, 173176.
 160.064/951/0 Type III, Child Sm., Model 173168, 173177.
 160.064/952/0 Type III, Youth, Model 173169, 173178.
 160.064/953/0 Type III, Ad. Med., Model 173170, 173179.
 160.064/954/0 Type III, Ad. Lg., Model 173171, 173180.
 160.064/955/0 Type III, Ad. X-Lg., Model 173172, 173181.
 160.064/956/0 Type III, Ad. XX-Lg., Model 173173, 173182.
 160.064/957/0 Type III, Ad. Med., Model 173174, 173183.
 160.064/958/0 Type III, Ad. Lg., Model 173175, 173184.
 160.064/959/0 Type III, Ad. Med., Model 173193.
 160.064/960/0 Type III, Ad. Lg., Model 173194.
 160.064/961/0 Type III, Ad. XLg., Model 173195.
 160.064/962/0 Type III, Ad. XXLg., Model 173196.
 160.064/963/0 Type III, Ad. Med., Model 173189, 173185.
 160.064/964/0 Type III, Ad. Lg., Model 173190, 173186.
 160.064/965/0 Type III, Ad. XLg., Model 173191, 173187.
 160.064/966/0 Type III, Ad. XXLg., Model 173192, 173188.
 160.064/A2306/0 Model 507797, Adult Universal, cloth covered unicellular plastic foam "WATER SKI VEST", TYPE III PFD.

Omega Corp., 130 Condon St., East Boston, MA 02128
 160.064/490/0 Type III PFD, Model F-70, Adult X-large.
 160.064/491/0 Type III PFD, Model F-60, Adult large.
 160.064/492/0 Type III PFD, Model F-50, Adult medium.
 160.064/493/0 Type III PFD, Model F-40, Child medium.
 160.064/494/0 Type III PFD, Model F-30, Child medium.
 160.064/602/1 Type III, A XL, Model FLV 70.
 160.064/603/1 Type III, A L, Model FLV 60.
 160.064/604/1 Type III, A M, Model FLV 50.

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- 160.064/605/1 Type III, C M, Model FLV 40.
 160.064/606/1 Type III, C M, Model FLV 30.
 160.064/850/0 Type III General Boating Vest, Adult X-Large, Model HP-70, RS-70.
 160.064/851/0 Type III General Boating Vest, Adult Large, Model HP-60, RS-60.
 160.064/852/0 Type III General Boating Vest, Adult Medium, Model HP-50, RS-50.
 160.064/1039/0 Type III General Boating Vest, Youth (50 to 90 lb.), Model HP-30, RS-30.
 160.064/1040/0 Type III General Boating Vest, Adult Small, Model HP-40, RS-40.
 160.064/1510/0 Type III General Boating Vest, Tyke (30-50 lb.), Model HP-20.
 160.064/1520/0 Type III Water Ski Vest, Adult Universal, Model Electra 901.
 160.064/1568/0 Type III General Boating Vest, Youth (50-90 lb.), Model ED-30.
 160.064/1569/0 Type III General Boating Vest, Adult Small, Model ED-40.
 160.064/1570/0 Type III General Boating Vest, Adult Medium, Model ED-50.
 160.064/1571/0 Type III General Boating Vest, Adult Large, Model ED-60.
 160.064/1572/0 Type III General Boating Vest, Adult X-Large, Model ED-70.
 160.064/1573/0 Type III Buoyant Sport Vest, Adult XX-Large, Model ED-80.
 160.064/1718/0 Type III Buoyant Sport Vest, Tyke (30 to 50 lb.), Model 304.
 160.064/1719/0 Type III Buoyant Sport Vest, Youth (50 to 90 lb.), Model 305.
 160.064/1720/0 Type III Buoyant Sport Vest, Adult Small, Model 306.
 160.064/1721/0 Type III Buoyant Sport Vest, Adult Medium, Model 307.
 160.064/1722/0 Type III Buoyant Sport Vest, Adult Large, Model 308.
 160.064/1723/0 Type III Buoyant Sport Vest, Adult X-Large, Model 309.
 160.064/1724/0 Type III Buoyant Sport Vest, Adult XX-Large, Model 310.
 160.064/1850/0 Type III Action/Wilderness Vest, Adult Slim, Model WV-30/D804/AV-30.
 160.064/1851/0 Type III Action/Wilderness Vest, Adult Small, Model WV-40/D803/AV-40.
 160.064/1852/0 Type III Action/Wilderness Vest, Adult Medium, Model WV-50/D802/AV-50.
 160.064/1853/0 Type III Action/Wilderness Vest, Adult Large, Model WV-60/D801/AV-60.
 160.064/1854/0 Type III Action/Wilderness Vest, Adult X-Large, Model WV-70/D800/AV-70.
 160.064/1942/0 Type II Buoyant Sport Vest, Infant (under 50 lb.), Model 303A.
 160.064/1969/0 Type III Buoyant Life Vest, Adult Universal, Model 2445.
 160.064/2068/0 Type V Boardsailing/Windrider Vest, Adult Small, Model WRV-40.
 160.064/2069/0 Type V Boardsailing/Windrider Vest, Adult Medium, Model WRV-50.
 160.064/2070/0 Type V Boardsailing/Windrider Vest, Adult Large, Model WRV-60.
 160.064/2151/0 Type III Frost Biter, Adult X-Small, Model FR-30/D900.
 160.064/2152/0 Type III Frost Biter, Adult Small, Model FR-40/D901.
 160.064/2153/0 Type III Frost Biter, Adult Medium, Model FR-50/D902.
 160.064/2154/0 Type III Frost Biter, Adult Large, Model FR-60/D903.
 160.064/2155/0 Type III Frost Biter, Adult X-Large, Model FR-70/D904.
 160.064/2886/0 Models WV-80 and SFV-80, Adult XX-Large (50" - 56" chest), cloth-covered unicellular plastic foam "GENERAL BOATING VEST" or "WILDERNESS VEST".
- Outdoor Supply Co., Inc., Oxford, NC 27566
 160.064/131/0 Adult small, Model CGAJJ-S.
 160.064/132/0 Adult medium, Model CGAJJ-S.
 160.064/133/0 Adult large, Model CGAJJ-S.
- Plastimo SA, 15 Ingenieur Verriere, Lorient 56100, France
 160.064/485/0 Type III Sports Vest, Adult X-Large, Model 1206706.
 160.064/486/0 Type III Buoyant Sports Vest, Adult Large, Model 1206609.
 160.064/487/0 Type III Buoyant Sports Vest, Adult Medium, Model 1206509.
 160.064/488/0 Type III Buoyant Sports Vest, Child Medium (50 to 90 lb.), Model 1206405.
 160.064/489/0 Type III Buoyant Sports Vest, Child Medium (50 to 90 lb.), Model 1206308.
- Plott Manufacturing Co., P.O. Drawer 9038, Station A, Greenville, SC 29604
 160.064/102/0 Type III PFD, Child medium, Model No. L-CGJ-120.
 160.064/103/0 Type III PFD, Adult large, Model No. L-CGJ-100.

- 160.064/438/0 Type III PFD, Adult small, Model CGFC-1S.
 160.064/439/0 Type III PFD, Adult medium, Model CGFC-2M.
 160.064/440/0 Type III PFD, Adult large, Model CGFC-3L.
 160.064/441/0 Type III PFD, Adult X-large, Model CGFC-4XL.
 160.064/786/0 Type III Buoyant Vest, Adult, Model IM-S.
 160.064/787/0 Type III Buoyant Vest, Adult, Model IM-M.
 160.064/788/0 Type III Buoyant Vest, Adult, Model IM-L.
 160.064/789/0 Type III Buoyant Vest, Adult, Model IM-XL.
 160.064/790/0 Type III Buoyant Vest, Adult, Model IM-XXL.
 160.064/792/0 Type III Buoyant Vest, Child Medium (50 to 90 lb.), Model Junior.
 160.064/793/0 Type III Buoyant Vest, Ch. Lg (50 to 90 lb.), Model Junior.
 160.064/811/0 Type III, Ad. Univ., Model CU-S.
 160.064/812/0 Type III, Ad. Univ., Model CU-M.
 160.064/813/0 Type III, Ad. Univ., Model CU-L.
 160.064/814/0 Type III, Ad. Univ., Model CU-XL.
 160.064/815/0 Type III, Ad. Univ., Model CU-XXL.
 160.064/1004/0 Type III Buoyant Vest, Child Small (30 to 50 lb.), Model LD-100.
 160.064/1005/0 Type III Buoyant Vest, Child Small (30 to 50 lb.), Model LD-200.
 160.064/1077/0 Type IV Ring Buoy 18 in., Model AFRB 20.
 160.064/1097/0 Type III, Ad. Univ., Model ANGLER.
 160.064/1098/0 Type III, Ad. Univ., Model ANGLER.
 160.064/1099/0 Type III, Ad. Univ., Model ANGLER.
 160.064/1100/0 Type III, Ad. Univ., Model ANGLER.
 160.064/1108/0 Type IV Ring Buoy 18.5 in., Model AFRB.
 160.064/1276/0 Type III, A-S, Model SU-S.
 160.064/1277/0 Type III, A-M, Model SU-M.
 160.064/1278/0 Type III, A-L, Model SU-L.
 160.064/1279/0 Type III, A-XL, Model SU-XL.
 160.064/A1438/0 Buoyant Cushion 15" x 15", Model MCP-15.
 160.064/1665/0 Type III Buoyant Vest, Adult Small, Model FV-1.
 160.064/1666/0 Type III Buoyant Vest, Adult Medium, Model FV-1.
 160.064/1667/0 Type III Buoyant Vest, Adult Large, Model FV-1.
 160.064/1668/0 Type III Buoyant Vest, Adult X-L, Model FV-1.
 160.064/1676/0 Type III Buoyant Vest, Adult Small, Model FV-4.
 160.064/1677/0 Type III Buoyant Vest, Adult Medium, Model FV-4.
 160.064/1678/0 Type III Buoyant Vest, Adult Large, Model FV-4.
 160.064/1679/0 Type III Buoyant Vest, Adult X-L, Model FV-4.
 160.064/1686/0 Model FV-400, Child Medium, vinyl dipped plastic foam "SAILING & WATER SKI VEST", Type III PFD.
 160.064/1687/0 Model FV-701, Adult, vinyl dipped unicellular plastic foam "SAILING AND WATER SKI VEST", Type III PFD.
 160.064/1688/0 Model FV-801, Adult, vinyl dipped unicellular plastic foam "SAILING AND WATER SKI VEST", Type III PFD.
 160.064/1689/0 Model FV-803, Adult, vinyl dipped unicellular plastic foam "SAILING AND WATER SKI VEST", Type III PFD.
 160.064/1690/0 Model FV-1001, Adult, vinyl dipped unicellular plastic foam "SAILING AND WATER SKI VEST", Type III PFD.
 160.064/1696/0 Type III Buoyant Vest, Adult Small, Model FV-7/FV-8.
 160.064/1697/0 Type III Buoyant Vest, Adult Medium, Model FV-7/FV-8.
 160.064/1698/0 Type III Buoyant Vest, Adult Large, Model FV-7/FV-8.
 160.064/1699/0 Type III Buoyant Vest, Adult X-Large, Model FV-7/FV-8.
 160.064/1704/0 Type III Buoyant Vest, Adult Small, Model FV-6.
 160.064/1705/0 Type III Buoyant Vest, Adult Medium, Model FV-6.

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- 160.064/1706/0 Type III Buoyant Vest, Adult Large, Model FV-6.
 160.064/1707/0 Type III Buoyant Vest, Adult X-L, Model FV-6.
 160.064/1767/0 Type III Buoyant Vest, Adult Small, Model FV9.
 160.064/1768/0 Type III Buoyant Vest, Adult Medium, Model FV9.
 160.064/1769/0 Type III Buoyant Vest, Adult Large, Model FV9.
 160.064/1770/0 Type III Buoyant Vest, Adult X-Large, Model FV9.
 160.064/1789/1 Type IV Buoyant Device, 15"x15", Model MKF.
 160.064/1838/0 Type III General Boating Vest, Adult Small, Model 180/181/FV-2.
 160.064/1839/0 Type III General Boating Vest, Adult Medium, Model 180/181/FV-2.
 160.064/1840/0 Type III General Boating Vest, Adult Large, Model 180/181/FV-2.
 160.064/1841/0 Type III General Boating Vest, Adult X-Large, Model 180/181/FV-2.
 160.064/1842/0 Type III Ski Vest, Adult Small, Model 380.
 160.064/1843/0 Type III Ski Vest, Adult Medium, Model 380.
 160.064/1844/0 Type III Ski Vest, Adult Large, Model 380.
 160.064/1845/0 Type III Ski Vest, Adult X-Large, Model 380.
 160.064/1846/0 Type III Ski Vest, Adult Small, Model 280.
 160.064/1847/0 Type III Ski Vest, Adult Medium, Model 280.
 160.064/1848/0 Type III Ski Vest, Adult Large, Model 280.
 160.064/1849/0 Type III Ski Vest, Adult X-Large, Model 280.
 160.064/1955/0 Type III Buoyant Vest, Adult, Model FV3, FV10, FV14, FV17.
 160.064/1956/0 Type III General Boating Vest, Adult X-Small, Model FV-11.
 160.064/1957/0 Type III General Boating Vest, Adult Small/Medium, Model FV-11.
 160.064/1958/0 Type III General Boating Vest, Adult Large/X-Large, Model FV-11.
 160.064/1970/0 Type III General Boating Vest, Adult X-Small, Model FV-5.
 160.064/1971/0 Type III General Boating Vest, Adult Small/Medium, Model FV-5.
 160.064/1972/0 Type III General Boating Vest, Adult Large/X-Large, Model FV-5.
 160.064/1973/0 Type III General Boating Vest, Adult Small/Medium, Model FV-12/FV-15.
 160.064/1974/0 Type III General Boating Vest, Adult Large/X-Large, Model FV-12/FV-15.
 160.064/1975/0 Type III Canoeing and Kayaking vest, Adult, Model FV 13.
 160.064/2135/0 Type III Buoyant Vest, Adult X-Small, Model FV-7, FV-8.
 160.064/2167/0 Type III Buoyant Vest, Adult X-Small, Model FV-16 or FV-16-10.
 160.064/2168/0 Type III Buoyant Vest, Adult Small, Model FV-16 or FV-16-10.
 160.064/2169/0 Type III Buoyant Vest, Adult Medium, Model FV-16 or FV-16-10.
 160.064/2170/0 Type III Buoyant Vest, Adult Large, Model FV-16 or FV-16-10.
 160.064/2171/1 Type III Buoyant Vest, Adult X-Large, Model FV-16 or FV-16-10.
 160.064/2215/0 Type III General Boating Vest, Child Small (30 to 50 lb.), Model JR-2.
 160.064/2216/0 Type III General Boating Vest, Child Small (30 to 50 lb.), Model JR-3.
 160.064/2217/0 Type III General Boating Vest, Adult CX-Large, Model FV-2/180/181.
 160.064/2522/0 Model JR-4, Infant, "GENERAL BOATING VEST", Type II PFD.
 160.064/2591/0 Type III General Boating Vest, Adult Universal, Model FV-18.
 160.064/2835/0 Model FV-88, Adult X-Small (30" - 32" chest), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
 160.064/2836/0 Model FV-88, Adult Small (34" - 36" chest), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
 160.064/2837/0 Model FV-88, Adult Medium (38" - 40" chest), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
 160.064/2838/0 Model FV-88, Adult Large (42" - 44" chest), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
 160.064/2839/0 Model FV-88, Adult X-Large (46" - 48" chest), cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.

Polyfoam Packers Corp., Coated Marine Products Div., 2320 South Foster Ave., Wheeling, IL 60090
 160.064/1339/1 Type IV Horseshoe Buoy 22", Model PONY.
 160.064/1340/1 Type IV Horseshoe Buoy 24", Model STANDARD.

Quality Buik Products, 1832 East Commercial St., Springfield, MO 65803
 160.064/71/0 Type II Water Ski Vest, Adult, Model 1100.
 160.064/371/0 Type III Water Ski Vest, Adult Large, Model 1200.
 160.064/372/0 Type III Water Ski Vest, Adult Medium, Model 1200.
 160.064/373/0 Type III Water Ski Vest, Adult Small, Model 1200.
 160.064/374/0 Type III Water Ski Vest, Child Medium (50 to 90 lb.), Model 1200.
 160.064/551/0 Type III Water Ski Vest, Adult X-Large, Model 1200.
 160.064/1130/0 Type III Buoyant Vest, Child Medium (50 to 90 lb.), Model 1400.
 160.064/1131/0 Type III Buoyant Vest, Adult Small, Model 1400.
 160.064/1132/0 Type III Buoyant Vest, Adult Medium, Model 1400.
 160.064/1133/0 Type III Buoyant Vest, Adult Large/X-Large, Model 1400.
 160.064/1134/0 Type III Buoyant Vest, Adult Magnum, Model 1400.
 160.064/1431/0 Type III Water Ski Vest, Child Medium (50 to 90 lb.), Model 1200.
 160.064/1432/0 Type III Water Ski Vest, Adult Small, Model 1200.
 160.064/1433/0 Type III Water Ski Vest, Adult Medium, Model 1200.
 160.064/1434/0 Type III Water Ski Vest, Adult Large, Model 1200.
 160.064/1435/0 Type III Water Ski Vest, Adult X-Large, Model 1200.

Rand Manufacturing Corp., 14615 NE 91st St., Redmond, WA 98052
 160.064/967/0 Type III PFD, Child medium, Model No. 200-CS.
 160.064/968/0 Type III PFD, Child medium, Model No. 200-CM.
 160.064/969/0 Type III PFD, Adult, Model No. 200-S.
 160.064/970/0 Type III PFD, Adult, Model No. 200-M.
 160.064/971/0 Type III PFD, Adult, Model No. 200-L.
 160.064/972/0 Type III PFD, Adult, Model No. 200-XL.
 160.064/1090/0 Type III PFD, Adult, Model No. 200-XXL.

Recreonics Corp., 1635 Expo Lane, Indianapolis, IN 46224
 160.064/139/0 Child small, Model No. CGXS.
 160.064/140/0 Child medium, Model No. CGAS.
 160.064/141/0 Adult medium, Model No. CGAM.
 160.064/142/0 Adult large, Model No. CGAM.
 160.064/1275/0 Type IV, Ring Buoy, 18.5 in., Model 12250.

Red Head Brand Corp., 4949 Joseph Hardin Drive, Dallas, TX 75236
 160.064/30/0 Type III Water Ski Jump Vest, Adult X-Large, Model 14023.
 160.064/31/0 Type III Water Ski Jump Vest, Adult Large, Model 14022.
 160.064/32/0 Type III Water Ski Jump Vest, Child Medium (50 to 90 lb.), Model 14021.
 160.064/89/0 Type III Water Ski Jump Vest, Child Small (under 50 lb.), Model 14020.
 160.064/318/0 Type III, A-S, Model 16260.
 160.064/319/0 Type III, A-M, Model 16260.
 160.064/320/0 Type III, A-L, Model 16260.
 160.064/321/0 Type III, A-XL, Model 16260.
 160.064/337/0 Adult small, Model No. 16270, Type III PFD.
 160.064/338/0 Adult medium, Model No. 16270, Type III PFD.
 160.064/339/0 Adult large, Model No. 16270, Type III PFD.
 160.064/340/0 Adult X-large, Model No. 16270, Type III PFD.
 160.064/341/0 Adult XX-large, Model No. 16270, Type III PFD.
 160.064/408/0 Type III, Ch. Med., Model 14030.
 160.064/409/0 Type III, Ad. Sm., Model 14031.

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160.064/410/0 Type III, Ad. Med., Model 14032.
 160.064/411/0 Type III, Ad. Med., Model 14033.
 160.064/412/0 Type III, Ad. Med., Model 14034.
 160.064/616/0 Type III, C-S, Model BV-2.
 160.064/617/0 Type III, C-M, Model BV-1.
 160.064/618/0 Type III, A-S, Model BV-1.
 160.064/619/0 Type III, A-M, Model BV-1.
 160.064/620/0 Type III, A-L, Model BV-1.
 160.064/621/0 Type III, A-XL, Model BV-1.
 160.064/622/0 Type III, A-XXL, Model BV-1.
 160.064/989/0 Type III, C-S, Model BV-2.
 160.064/990/0 Type III, C-M, Model BV-2.
 160.064/991/0 Type III, Adult Univ., Model BV-2.
 160.064/992/0 Type III, Adult Univ., Model BV-2.
 160.064/993/0 Type III, Adult Univ., Model BV-2.
 160.064/994/0 Type III, Adult Univ., Model BV-2.
 160.064/995/0 Type III, Adult Univ., Model BV-2.
 160.064/1146/0 Type III, Ad. Univ., Model 16760.
 160.064/1322/0 Type III, Ch. Med., Model 4030.
 160.064/1323/0 Type III, Ad. Sm., Model 4031.
 160.064/1324/0 Type III, Ad. Med., Model 4032.
 160.064/1325/0 Type III, Ad. Lg., Model 4033.
 160.064/1326/0 Type III, Ad. Lg., Model 4034.
 160.064/1327/0 Type III, Ad. Univ., Model 14035.
 160.064/1620/0 Type III, Sailing & Water Ski Vest, Child Med., Model 14030A.
 160.064/1621/0 Type III, Sailing & Water Ski Vest, Adult, Model 14031A.
 160.064/1622/0 Type III, Sailing & Water Ski Vest, Adult, Model 14032A.
 160.064/1623/0 Type III, Sailing & Water Ski Vest, Adult, Model 14033A.
 160.064/1624/0 Type III, Sailing & Water Ski Vest, Adult, Model 14034A.
 160.064/A1863/0 Type III Buoyant Vest, Adult, 28"-54", Model BV-3.
 160.064/A1993/0 Type IV Buoyant Cushion, 15" x 15", Model BC-3.
 160.064/A2024/0 Type III Buoyant Vest, 24"-29" (50-90 lb.), Model BV-3.
 160.064/A2025/0 Type III Buoyant Vest, Child 19"-24" (30-50 lb.), Model BV-3.
 160.064/A2351/0 Type III Buoyant Vest, Child 19"-24" (30-50 lb.), Model BV-4.
 160.064/A2352/0 Type III Buoyant Vest, Child 24"-28" (50-90 lb.), Model BV-4.
 160.064/A2353/0 Type III Buoyant Vest, Adult 30"-40", Model BV-4.
 160.064/A2354/0 Type III Buoyant Vest, Adult 40"-50", Model BV-4.
 160.064/A2355/0 Type III Buoyant Vest, Adult 50"-60", Model BV-4.
 160.064/A2356/0 Type II Buoyant Vest, Child 15"-21" (under 50 lb.), Model BV-4.

Riverside Associates, Francestown, NH 03043

160.064/1680/0 Type III General Boating Vest, Tyke, Model RA-20.
 160.064/1681/0 Type III General Boating Vest, Youth, Model RA-30.
 160.064/1682/0 Type III General Boating Vest, Adult Small, Model RA-40.
 160.064/1683/0 Type III General Boating Vest, Adult Med., Model RA-50.
 160.064/1684/0 Type III General Boating Vest, Adult Large, Model RA-60.
 160.064/1685/0 Type III General Boating Vest, Adult X-Large, Model RA-70.

Safeguard Corp., PO Box 2004, Covington, KY 41012

160.064/2066/0 Type III White Water Rafters Vest, Adult Universal, Model 200.
 160.064/2067/0 Type III White Water Rafters Vest, Child Medium (50-90 lb.), Model 201.
 160.064/2357/0 Type III All Purpose Boating Vest, Adult Small/Medium, Model 604/614.
 160.064/2358/0 Type III All Purpose Boating Vest, Adult, Large/X-Large, Model 608/618.
 160.064/2361/0 Type III General Boating Vest, Adult Universal, Model 300/301.

Saucier, Inc., 12985 Pioneer Trail, Eden Prairie, MN 55343
 160.064/511/0 Child medium, Model No. CGVA-S, Type III PFD.
 160.064/512/0 Adult, Model No. CGVA-M, Type III PFD.
 160.064/513/0 Adult, Model No. CGVA-L, Type III PFD.
 160.064/514/0 Adult, Model No. CGVA-XL, Type III PFD.
 160.064/515/0 Adult, Model No. CGVB-M, Type III PFD.

Sea Gear, Inc., Longview St., Newport, VT 05855
 160.064/2422/0 Type III Float Coat, Adult 28"-30", Model 41148.
 160.064/2423/0 Type III Float Coat, Adult 32"-34", Model 41148.
 160.064/2424/0 Type III Float Coat, Adult 36"-38", Model 41148.
 160.064/2425/0 Type III Float Coat, Adult 40"-42", Model 41148.
 160.064/2426/0 Type III Float Coat, Adult 44"-48", Model 41148.
 160.064/2427/0 Type III Float Coat, Adult 50"-52", Model 41148.
 160.064/2428/0 Type III Float Coat, Adult 54"-56", Model 41148.

Sears, Roebuck and Co., Sears Tower, Dept. 606, Chicago, IL 60684
 160.064/121/1 Type III, Ad. Sm, Model 63262.
 160.064/122/1 Type III, Ad. Med, Model 63262.
 160.064/123/1 Type III, Ad. Lg, Model 63262.
 160.064/190/1 Type III, Ad. XSm, Model 63262.
 160.064/227/0 Child medium, Model No. 63215.
 160.064/278/2 Type III, Ad. Sm, Model 63272.
 160.064/279/2 Type III, Ad. Med, Model 63272.
 160.064/280/2 Type III, Ad. Lg, Model 63272.
 160.064/406/1 Type III, Ch. Med, Model 63261.
 160.064/407/1 Type III, Ad. XLg, Model 63261.
 160.064/630/0 Type II, Adult, Model 63221.
 160.064/631/0 Type II, C-M, Model 63222.
 160.064/632/0 Type II, C-S, Model 63223.
 160.064/749/0 Adult, Model No. 63224, Type III PFD.
 160.064/779/0 Type III, Adult, Model 63255.
 160.064/785/0 Type III, C-S, Model 63261.
 160.064/898/0 Type III, Ad. Univ., Model 63195.
 160.064/899/0 Type III, Ad. Univ., Model 63195.
 160.064/977/0 Type III, C-S, Model 63131.
 160.064/978/0 Type III, C-M, Model 63131.
 160.064/979/0 Type III, Adult Universal, Model 63135.
 160.064/980/0 Type III, Adult Universal, Model 63135.
 160.064/1021/0 Type III, Ad. Med., Model 63167, 86, 96, 97.
 160.064/1022/0 Type III, Ad. Lg., Model 63167, 86, 96, 97.
 160.064/1029/0 Model 63191, 63171, or 63173, Adult, cloth covered unicellular plastic foam "FLOTATION JACKET", Type III PFD.
 160.064/1030/0 Model 63191, 63171, or 63173, Adult, cloth covered unicellular plastic foam "FLOTATION JACKET", Type III PFD.
 160.064/1031/0 Model 63191, 63171, or 63173, Adult, cloth covered unicellular plastic foam "FLOTATION JACKET", Type III PFD.
 160.064/1032/0 Model 63191, 63171, or 63173, Adult, cloth covered unicellular plastic foam "FLOTATION JACKET", Type III PFD.
 160.064/1106/0 Type III, Model 57821, Adult.
 160.064/1227/0 Type III, Ad. Univ., Model 63153, 63154.
 160.064/1266/1 Type III, Ad. Lg., Model 57815SKU006, 57816SKU006.

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- 160.064/1267/1 Type III, Ad. Med., Model 57815SKU004, 57816SKU004.
 160.064/1268/0 Type III, Ad. Sm., Model 57815SKU003, 57816SKU003.
 160.064/1269/0 Type III, Ad. Univ., Model 57821.
 160.064/1270/0 Type III, C/M, Model 57811.
 160.064/1422/0 Type III, Ad. Univ., Model 63137, 63139.
 160.064/1436/0 Type III, Ad. Univ., Model 63123.
 160.064/1491/0 Model 63193, Adult Small, cloth covered unicellular plastic foam "LADIES FLOTATION JACKET", Type III PFD.
 160.064/1492/0 Model 63193, Adult Medium, cloth covered unicellular plastic foam "LADIES FLOTATION JACKET", Type III PFD.
 160.064/1493/0 Model 63193, Adult Large, cloth covered unicellular plastic foam "LADIES FLOTATION JACKET", Type III PFD.
 160.064/1496/0 Model 63126, Child Small, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
 160.064/1497/0 Model 63124, Child Medium, cloth covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
 160.064/1498/0 Model 57833, Adult Small, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/1499/0 Model 57833, Adult Medium, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/1500/0 Model 57833, Adult Large, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/1501/0 Model 57833, Adult X-Large, cloth covered unicellular plastic foam "WATER SKI VEST", Type III PFD.
 160.064/1579/0 Type III, Ad. Med., Model 63141 or 63143.
 160.064/1580/0 Type III, Ad. Large, Model 63142 or 63144.
 160.064/A1660/0 Type III Sailing & Water Ski Vest, Youth (50-90 lb.), Model 2001.
- Soda Products, Inc., P.O. Box 997, Chula Vista, CA 92012
 160.064/663/0 Style White Water Vest, Adult Small, cloth covered unicellular plastic foam "BUOYANT SPORTS VEST", Type III PFD.
 160.064/664/0 Type III, Ad. Med, Model White Water Vest.
 160.064/665/0 Type III, Ad. Lg, Model White Water Vest.
 160.064/666/0 Type III, Ad. XLg, Model White Water Vest.
 160.064/2278/0 Type III Water Sports Buoyant Vest, Adult Medium, Model 33.
- Simpson Marine Equipment, 22639 South Normandie Ave., Torrance, CA 96502
 160.064/1234/0 Type III, Ad. Sm, Model M-112.
 160.064/1235/0 Type III, Ad. Med, Model M-112.
 160.064/1236/0 Type III, Ad. Lg, Model M-112.
 160.064/1237/0 Type III, Ad. XLg, Model M-112.
- Skeeter Products, Inc., One Skeeter Road, Box 230, Kilgore, TX 75662
 160.064/F2319/0 Type III High Performance Boating Vest, Adult 32"-36", Model 301.
 160.064/F2320/0 Type III High Performance Boating Vest, Adult 36"-40", Model 301.
 160.064/F2321/0 Type III High Performance Boating Vest, Adult 40"-44", Model 301.
 160.064/F2322/0 Type III High Performance Boating Vest, Adult 44"-48", Model 301.
 160.064/F2451/0 Type III High Performance Boating Adult 48"-52", Model 301.
 160.064/F2459/0 Type III Flotation Jacket, Adult 32"-36", Model 601.
 160.064/F2460/0 Type III Flotation Jacket, Adult 36"-40", Model 601.
 160.064/F2461/0 Type III Flotation Jacket, Adult 40"-44", Model 601.
 160.064/F2462/0 Type III Flotation Jacket, Adult 44"-48", Model 601.
 160.064/F2463/0 Type III Flotation Jacket, Adult 48"-52", Model 601.

EQUIPMENT LISTS

Soniform Inc., 1908 Friendship Dr., El Cajon, CA 92020

- 160.064/1300/0 Type III Marine Buoyant Vest with inflatable, Adult Small, Model 5113/5123/5133.
- 160.064/1301/0 Type III Marine Buoyant Vest with inflatable, Adult Medium, Model 5114/5124/5134.
- 160.064/1302/0 Type III Marine Buoyant Vest with inflatable, Adult Large, Model 5116/26/36.
- 160.064/1303/0 Type III Marine Buoyant Vest with inflatable, Adult Medium, Model 5214/24/34.
- 160.064/1304/0 Type III Marine Buoyant Vest with inflatable, Adult Large, Model 5116/5126/5136.
- 160.064/1305/0 Type III Marine Buoyant Vest with inflatable, Youth (under 90 lb.), Model 5213/5223/5233.

Southern Water Ski Co., P.O. Drawer M, Eloise, FL 33880

- 160.064/A1460/0 Model 6941, Child, "SKI 'N SPORTS VEST", Type III PFD.
- 160.064/A1461/0 Model 6942, Youth, "SKI 'N SPORTS VEST", Type III PFD.
- 160.064/A1462/0 Model 6943, Adult X-Small "SKI 'N SPORT VEST", Type III PFD.
- 160.064/A1463/0 Model 6944, Adult Small, "SKI 'N SPORT VEST", Type III PFD.
- 160.064/A1464/0 Model 6945, Adult Medium, "SKI 'N SPORT VEST", Type III PFD.
- 160.064/A1465/0 Model 6946, Adult Large, "SKI 'N SPORT VEST" Type III PFD.
- 160.064/A1466/0 Model 6947, Adult X-Large, "SKI 'N SPORT VEST", Type III PFD.
- 160.064/A1549/0 Type III Water Ski Vest, Adult Small, Model 6900.
- 160.064/A1550/0 Type III Water Ski Vest, Adult Medium, Model 6900.
- 160.064/A1551/0 Type III Water Ski Vest, Adult Large, Model 6900.
- 160.064/A1552/0 Type III Water Ski Vest, Adult X-Large, Model 6900.

Sperry Top Sider, P.O. Box 338, Naugatuck, CT 06770

- 160.064/759/0 Adult X-large, Model No. SN 400 or SO 400, Type III PFD.
- 160.064/760/0 Adult large, Model No. SN 400 or SO 400, Type III PFD.
- 160.064/761/0 Adult medium, Model No. SN 400 or SO 400, Type III PFD.
- 160.064/762/0 Adult small, Model No. SN 400 or SO 400, Type III PFD.
- 160.064/763/0 Adult large, Model No. SN 405 or SO 405, Type III PFD.
- 160.064/764/0 Adult medium, Model No. SN 405 or SO 405, Type III PFD.
- 160.064/765/0 Adult small, Model No. SN 405 or SO 405, Type III PFD.

Stearns Manufacturing Co., 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302

- 160.064/80/0 Adult medium, Model No. SRY-30M.
- 160.064/81/0 Adult large, Model No. SRY-30L.
- 160.064/82/0 Adult X-large, Model No. SRY-30XL.
- 160.064/168/1 Model ILV-401, Adult Small, "INDUSTRIAL LIFE VEST" Type III PFD (not a work vest).
- 160.064/169/1 Model ILV-401, Adult Medium, "INDUSTRIAL LIFE VEST" Type III PFD (not a work vest).
- 160.064/170/1 Model ILV-401, Adult Large, "INDUSTRIAL LIFE VEST" Type III PFD (not a work vest).
- 160.064/171/1 Type III Buoyant Vest, Adult 48"-50", Model SSV-2010/ILV-400/-401/-402.
- 160.064/172/1 Type III Buoyant Vest, Adult 50"-52", Model SSV-2010/ILV-400/-401/-402.
- 160.064/173/1 Type III Buoyant Vest, Adult 54"-56", Model SSV-2010/ILV-400/-401/-402.
- 160.064/177/0 Type III Flotation Jacket, Adult Small, Model FJB-60S.
- 160.064/178/0 Type III Flotation Jacket, Adult Medium, Model FJB-60M.
- 160.064/179/0 Type III Flotation Jacket, Adult Large, Model FJB-60L.
- 160.064/180/0 Type III Flotation Jacket, Adult X-Large, Model FJB-60XL.
- 160.064/181/0 Type III Flotation Jacket, Adult Small, Model FI-50S.
- 160.064/182/0 Type III Flotation Jacket, Adult Medium, Model FI-50M.
- 160.064/183/0 Type III Flotation Jacket, Adult Large, Model FI-50L.
- 160.064/184/0 Type III Flotation Jacket, Adult X-Large, Model FI-50XL.
- 160.064/199/0 Type III Buoyant Vest, Adult Small, Model SSV-500.
- 160.064/200/0 Type III Buoyant Vest, Adult Medium, Model SSV-500.
- 160.064/201/0 Type III Buoyant Vest, Adult Large, Model SSV-500.

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- 160.064/202/0 Type III Buoyant Vest, Adult X-Large, Model SSV-500.
- 160.064/203/0 Type III Buoyant Vest, Adult XX-Large, Model SSV-500.
- 160.064/204/0 Type III Buoyant Vest, Adult XXX-Large, Model SSV-500.
- 160.064/246/1 Type III Buoyant Vest, Adult X-Small, Model SSV-21/-25/-31/-35/-36.
- 160.064/247/1 Type III Buoyant Vest, Adult Small, Model SSV-21/-25/-31/-35/-36.
- 160.064/248/1 Type III Buoyant Vest, Adult Medium, Model SSV-21/-25/-31/-35/-36.
- 160.064/249/1 Type III Buoyant Vest, Child Large (50-90 lb.), Model SSV-22/-32.
- 160.064/250/0 Type III Buoyant Vest, Child Medium (50-90 lb.), Model SSV-22/-32.
- 160.064/251/0 Type III PFD, Child small, Model No. PW-25-N.
- 160.064/252/0 Type III PFD, Child medium, Model No. PW-57-N.
- 160.064/253/0 Type III PFD, Child large, Model No. PW-79-N.
- 160.064/254/0 Type III PFD, Adult petite, Model No. FJ-51.
- 160.064/255/0 Type III Flotation Jacket, Child Small (50 to 90 lb.), Model FJ-51.
- 160.064/256/0 Type III Flotation Jacket, Child Medium (50 to 90 lb.), Model FJ-51.
- 160.064/257/0 Type III Flotation Jacket, Adult Large, Model FJ-51.
- 160.064/322/0 Type III Canoe Kayak Vest, Child Medium (50 to 90 lb.), Model SSV-800.
- 160.064/455/0 Type III Beach N Boating Buoyant Vest, Child Small (30-50 lb.), Model PW-205.
- 160.064/456/0 Type III Beach N Boating Buoyant Vest, Child Small (30-50 lb.), Model PW-507.
- 160.064/457/0 Type III Beach N Boating Buoyant Vest, Child Medium, (30-50 lb.), Model PW-709.
- 160.064/527/0 Type III Ski/Fishing/Industrial Life Vest, Adult Small, Model SSV-160/ILV-460.
- 160.064/528/0 Type III Ski/Fishing/Industrial Life Vest, Adult Medium, Model SSV-160/ILV-460.
- 160.064/529/0 Type III Ski/Fishing/Industrial Life Vest, Adult Large, Model SSV-160/ILV-460.
- 160.064/530/0 Type III Ski/Fishing/Industrial Life Vest, Adult X-Large, Model SSV-160/ILV-460.
- 160.064/535/0 Type III Buoyant Vest, Child Medium (50 to 90 lb.), Model SSV-162.
- 160.064/536/0 Type III Buoyant Vest, Child Small (under 50 lb.), Model SSV-163.
- 160.064/775/0 Type III Ski/Fishing/Industrial Life Vest, Adult Super, Model SSV-160/ILV-460.
- 160.064/901/2 Type III River Rafting Vest, Adult Large/X-Large, Model RRV-155/-6155.
- 160.064/1001/0 Type III Buoyant/Ski/Fishing Vest, Youth (over 90 lb.), Model SSV-162.
- 160.064/1002/0 Type III Buoyant/Ski/Fishing Vest, Child Medium (50 to 90 lb.), Model SSV-163.
- 160.064/1003/0 Type II Buoyant Vest for Infants, Child Small (under 50 lb.), Model PWK-3100.
- 160.064/1231/0 Type III Boating Vest, Youth (50 to 90 lb.), Model SPV-8.
- 160.064/1232/0 Type III Boating Vest, Adult Small/Medium Adult, Model SPV-9.
- 160.064/1233/0 Type III Boating Vest, Adult Large/X-Large, Model SPV-9.
- 160.064/1367/0 Type III Buoyant or Fishing Vest, Adult Small/Medium, Model SPV-11/SSV-167.
- 160.064/1368/0 Type III Buoyant or Fishing Vest, Adult Large/X-Large, Model SPV-11/SSV-167.
- 160.064/1369/0 Type III Buoyant or Fishing Vest, Adult XX-Large, Model SPV-11/SSV-167.
- 160.064/1370/1 Type III Buoyant or Fishing Vest, Child 24-29" (50-90 lb.), Model SSV-3112/-3122/-4122/SPV-10.
- 160.064/1372/0 Type III Buoyant Vest, Child Small, Model PW-507-N or PW-3507-N.
- 160.064/1375/0 Type III Deck Coat, Adult Small/Medium, Model FS500.
- 160.064/1376/0 Type III Deck Coat, Adult Large/X-Large, Model FS500.
- 160.064/1377/0 Type III Deck Coat, Adult XX-Large, Model FS500.
- 160.064/1395/0 Type III Buoyant Industrial Vest, Adult Small/Medium, Model FV-100/-105.
- 160.064/1396/0 Type III Buoyant Industrial Vest, Adult Large/X-Large, Model FV-100/-105.
- 160.064/1397/0 Type III Buoyant Industrial Vest, Adult XX-Large, Model FV-100/-105.
- 160.064/1610/0 Type III Buoyant or Fishing Vest, Adult Small, Model SSV-111/-169.
- 160.064/1611/0 Type III Buoyant/Fishing Vest, Adult Medium, Model SSV-111/-169.
- 160.064/1612/0 Type III Buoyant/Fishing Vest, Adult Large, Model SSV-111/-169.
- 160.064/1613/0 Type III Buoyant/Fishing Vest, Adult X-Large, Model SSV-111/-169.
- 160.064/1630/0 Type III Ski Vest, Adult Small, Model SSV161.
- 160.064/1631/0 Type III Ski Vest, Adult Medium, Model SSV161.
- 160.064/1632/0 Type III Ski Vest, Adult Large, Model SSV161.
- 160.064/1633/0 Type III Ski Vest, Adult X-Large, Model SSV161.

- 160.064/1634/0 Type III Boating or Flotation Jacket, Adult Small, Model FJ45/FJ7045/IFJ-52.
 160.064/1635/0 Type III Boating or Flotation Jacket, Adult Medium, Model FJ-45/FJ-7045/IFJ-52.
 160.064/1636/0 Type III Boating or Flotation Jacket, Adult Large, Model FJ-45/FJ-7045/IFJ-52.
 160.064/1637/0 Type III Boating or Flotation Jacket, Adult X-Large, Model FJ-45/FJ-7045/IFJ-52.
 160.064/1638/0 Type III PFD (Ski Vest), Youth (50-90 lb.), Model SSV262.
 160.064/1639/0 Type III PFD (Ski Vest), Adult X-Small, Model SSV260.
 160.064/1640/1 Type III Ski Vest, Adult Small, Model SSV-5351.
 160.064/1641/1 Type III Ski Vest, Adult Medium, Model SSV-5351.
 160.064/1642/1 Type III Ski Vest, Adult Large, Model SSV-5351.
 160.064/1643/1 Type III Ski Vest, Adult X-L, Model SSV-5351.
 160.064/1645/0 Type III Buoyant Vest, Adult Small, Model SSV112.
 160.064/1646/0 Type III Buoyant Vest, Adult Medium, Model SSV112.
 160.064/1647/0 Type III Buoyant Vest, Adult Large, Model SSV112.
 160.064/1648/0 Type III Buoyant Vest, Adult X-Large, Model SSV112.
 160.064/1694/0 Type IV Buoyant Cushion, 16"x18", Model SBC-6618.
 160.064/1695/0 Type IV Buoyant Cushion, 14"x18", Model SBC-1418.
 160.064/1728/0 Type III Ski Vest, Adult X-Small, Model SSV-161.
 160.064/1729/0 Type III Kayak/Canoe Buoyant Vest, Adult X-Small, Model SSV-6700.
 160.064/1730/0 Type III Buoyant Vest or Fishing Vest, Adult X-Small, Model SSV-169 or SSV-111.
 160.064/1742/0 Type III Buoyant Vest, Adult X-Small, Model SSV101.
 160.064/1743/0 Type III Buoyant Vest, Adult Small, Model SSV101.
 160.064/1744/0 Type III Buoyant Vest, Adult Medium, Model SSV101.
 160.064/1745/0 Type III Buoyant Vest, Adult Large, Model SSV101.
 160.064/1746/0 Type III Buoyant Vest, Adult X-Large, Model SSV101.
 160.064/1771/0 Type III Buoyant/Fishing Vest, Adult Small/Medium, Model SSV-113/-124/-126/-128/-114/-140.
 160.064/1772/0 Type III Buoyant/Fishing Vest, Adult, Large/X-Large, Model SSV-113/-124/-126/-128/-114/-140.
 160.064/1773/1 Type III Buoyant Vest, Child 22"-26" (30-50 lb.), Model PW-57/SSV-3111/-3120.
 160.064/1776/0 Type III Industrial/Buoyant Vest, Adult Small, Model IHV-502, FV-100, FJS.
 160.064/1777/0 Type III Industrial/Buoyant Vest, Adult Medium, Model IHV-502, FV-100, FJS.
 160.064/1778/0 Type III Industrial/Buoyant Vest, Adult Large, Model IHV-502, FV-100, FJS.
 160.064/1779/0 Type III Industrial/Buoyant Vest, Adult X-Large, Model IHV-502, FV-100, FJS.
 160.064/1780/0 Type III Industrial/Buoyant Vest, Adult XX-Large, Model IHV-502, FV-100, FJS.
 160.064/1799/0 Type III Flotation Jacket, Adult Small, Model FJS-50.
 160.064/1801/0 Model FJS-50, Adult Large "FLOTATION JACKET", Type III PFD.
 160.064/1802/0 Model FJS-50, Adult X-Large "FLOTATION JACKET", Type III PFD.
 160.064/1803/0 Type III Camo Hunter or Ind. Flot., Adult Small, Model FJS-55, IFJ-55.
 160.064/1804/0 Type III Camo Hunter or Ind. Flot., Adult Medium, Model FJS-55, IFJ-55.
 160.064/1805/0 Type III Industrial/Flotation Jacket, Adult Large, Model FJS-55, IFJ-55.
 160.064/1806/0 Type III Industrial/Flotation Jacket, Adult X-Large, Model FJS-55, IFJ-55.
 160.064/1807/0 Type III Industrial/Flotation Jacket, Adult XX-Large, Model FJS-55, IFJ-55.
 160.064/1808/0 Type III Boating or Ind. Flot. Jacket, Adult Small, Model FJS-45, IFJ-52.
 160.064/1809/0 Type III Boating/Industrial Jacket, Adult Medium, Model FJS-45, IFJ-52.
 160.064/1810/0 Type III Boating/Industrial Jacket, Adult Large, Model FJS-45, IFJ-52.
 160.064/1811/0 Type III Boating/Industrial Jacket, Adult X-Large, Model FJS-45, IFJ-52.
 160.064/1812/0 Type III Deck Coat-Offshore/Industrial Jacket, Adult Small/Medium, Model FSS-500 or ISI-500.
 160.064/1813/0 Type III Deck/Offshore Survival Jacket, Adult Large/X-Large, Model FSS-500, ISI-500.
 160.064/1814/0 Type III Deck/Offshore Survival Jacket, Adult XX-Large, Model FSS-500, ISI-500.
 160.064/1858/0 Type III Buoyant/Ski Vest, Adult X-Small, Model SSV-5361.
 160.064/1859/0 Type III Buoyant/Ski Vest, Adult Small, Model SSV-5361.
 160.064/1860/0 Type III Buoyant/Ski Vest, Adult Medium, Model SSV-5361.

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- 160.064/1861/0 Type III Buoyant/Ski Vest, Adult Large, Model SSV-5361.
 160.064/1862/0 Type III Buoyant/Ski Vest, Adult X-Large, Model SSV-5361.
 160.064/1880/0 Type III Flotation Jacket, Adult Medium, Model FIS-50.
 160.064/1888/0 Type IV Buoyant Cushion, 15"x16", Model SBC-6515.
 160.064/1889/0 Type IV Buoyant Cushion, 13"x19", Model SBC-318.
 160.064/1904/0 Type III Buoyant Vest, Child, Model SSV-3010.
 160.064/1905/0 Type III Buoyant Vest, Youth, Model SSV-3020.
 160.064/1906/0 Type III Buoyant Vest, Adult, Model SSV-3.
 160.064/1935/0 Type II Buoyant Vest, Infant (under 50 lb.), Model PW-1.
 160.064/1936/0 Type II Buoyant Vest, Child Small (30-50 lb.), Model PW-2.
 160.064/1937/0 Type II Buoyant Vest, Youth (50-90 lb.), Model PW-3.
 160.064/1983/2 Type V Flotation Suit, Adult 36"-38", Model IFS-580.
 160.064/1984/2 Type V Flotation Suit Adult 40"-42", Model IFS-580.
 160.064/1985/2 Type V Flotation Suit Adult 44"-46", Model IFS-580.
 160.064/1986/2 Type V Flotation Suit Adult 48"-50", Model IFS-580.
 160.064/1987/2 Type V Flotation Suit Adult 50"-52", Model IFS-580.
 160.064/1988/1 Type V Flotation Jacket, Adult 36"-38", Model IFJ-550.
 160.064/1989/1 Type V Flotation Jacket, Adult 40"-42", Model IFJ-550.
 160.064/1990/1 Type V Flotation Jacket, Adult 44"-46", Model IFJ-550.
 160.064/1991/1 Type V Flotation Jacket, Adult 48"-50", Model IFJ-550.
 160.064/1992/1 Type V Flotation Jacket, Adult 50"-52", Model IFJ-550.
 160.064/2020/0 Type III Kayak/Canoe Buoyant Vest, Adult Small, Model SSV-750/-6750.
 160.064/2021/0 Type III Kayak/Canoe Buoyant Vest, Adult Medium, Model SSV-750/-6750.
 160.064/2022/0 Type III Kayak/Canoe Buoyant Vest, Adult Large, Model SSV-750/-6750.
 160.064/2023/0 Type III Kayak/Canoe Buoyant Vest, Adult X-Large, Model SSV-750/-6750.
 160.064/2054/0 Type II Buoyant Vest, Child Small (under 50 lb.), Model SSV-000.
 160.064/2077/2 Type III Fishing/Ski/Buoyant Vest, Adult 30"-52", Model SSV-2124/-4136.
 160.064/2078/2 Type III Fishing/Ski/Buoyant Vest, Adult 30"-52", Model SSV-5303.
 160.064/2095/2 Type III Buoyant/Fishing Vest, Adult 32"-40", Model SSV-2127/-2128/-2130/-2129/-4141/-4142/-2126/WJM-9198.
 160.064/2096/2 Type III Buoyant/Fishing Vest, Adult 41"-50", Model SSV-2127/-2128/-2130/-2129/-4141/-4142/-2126/WJM-9198.
 160.064/2097/0 Type V Sailboard Vest, Adult Small/Medium, Model SWH-6661.
 160.064/2098/0 Type V Sailboard Vest, Adult Large/X-Large, Model SWH-6661.
 160.064/2188/0 Type III Buoyant Vest/Ski Vest, Adult Small, Model SSV-5371.
 160.064/2189/0 Type III Buoyant Vest/Ski Vest, Adult Medium, Model SSV-5371.
 160.064/2190/0 Type III Buoyant Vest/Ski Vest, Adult Large, Model SSV-5371.
 160.064/2191/0 Type III Buoyant Vest/Ski Vest, Adult X-Large, Model SSV-5371.
 160.064/2210/0 Type IV Buoyant Cushion 14" x 18", Model SBC-318A.
 160.064/2211/1 Type III Buoyant Vest, Adult Small, Model SSV-6770.
 160.064/2212/1 Type III Buoyant Vest, Adult Medium, Model SSV-6770.
 160.064/2213/1 Type III Buoyant Vest, Adult Large, Model SSV-6770.
 160.064/2214/1 Type III Buoyant Vest, Adult X-Large, Model SSV-6770.
 160.064/2223/2 Type III Buoyant Vest/Ski Vest, Adult 36"-38", Model SSV-5362/-5341.
 160.064/2224/2 Type III Buoyant Vest/Ski Vest, Adult 40"-42", Model SSV-5362/-5341.
 160.064/2225/2 Type III Buoyant Vest/Ski Vest, Adult 44"-46", Model SSV-5362/-5341.
 160.064/2226/2 Type III Buoyant Vest/Ski Vest, Adult 48"-50", Model SSV-5362/-5341.
 160.064/2341/0 Type IV Buoyant Cushion, 15"x16", Model SBC-6515V.
 160.064/2368/1 Models WJM-9137, SSV-4163, and IHV-501, Adult Small, "BOATING VEST", Type III PFD.
 160.064/2369/1 Models WJM-9137, SSV-4163, and IHV-501, Adult Medium, "BOATING VEST", Type III PFD.
 160.064/2370/1 Models WJM-9137, SSV-4163, and IHV-501, Adult Large, "BOATING VEST", Type III PFD.
 160.064/2371/1 Model IHV-501, WJM-9137, and SSV-4163, Adult X-Large, "BOATING VEST", Type III PFD.

EQUIPMENT LISTS

- 160.064/2388/1 Models WJM-9135,-9138,-9144 or SSV-4154, Petite or Adult X-Small, cloth-covered unicellular plastic foam "BUOYANT VEST", Type III PFD.
- 160.064/2389/1 Models WJM-9135,-9138,-9144 or SSV-4154, Adult Small, cloth-covered unicellular plastic foam "BUOYANT VEST", "BUOYANT JACKET", or "FISHING VEST."
- 160.064/2390/1 Models WJM-9135,-9138,-9144 or SSV-4154, Adult Medium, cloth-covered unicellular plastic foam "BUOYANT VEST", "BUOYANT JACKET", or "FISHING VEST."
- 160.064/2391/1 Models WJM-9135,-9138,-9144 or SSV-4154, Adult Large, cloth-covered unicellular plastic foam "BUOYANT VEST", "BUOYANT JACKET" or "FISHING VEST."
- 160.064/2392/1 Models WJM-9135,-9138,-9144 or SSV-4154, Adult X-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", "BUOYANT JACKET" or "FISHING VEST."
- 160.064/2395/0 Model FJ-7075, FJ-7077, or IFJ-75, Adult Small, "FLOTATION JACKET" or "INDUSTRIAL FLOTATION JACKET", Type III PFD.
- 160.064/2396/0 Model FJ-7075, FJ-7077 or IFJ-75, Adult Medium, "FLOTATION JACKET" or "INDUSTRIAL FLOTATION JACKET", Type III PFD.
- 160.064/2397/0 Model FJ-7075, FJ-7077 or IFJ-75, Adult Large, "FLOTATION JACKET", or "INDUSTRIAL FLOTATION JACKET", Type III PFD.
- 160.064/2398/0 Model FJ-7075, FJ-7077 or IFJ-75, Adult X-Large, "FLOTATION JACKET" or "INDUSTRIAL FLOTATION JACKET", Type III PFD.
- 160.064/2430/0 Type III Buoyant Vest, Adult 36"-38", Model WJM-4162/SSV-4162.
- 160.064/2431/0 Type III Buoyant Vest, Adult 40"-42", Model WJM-4162/SSV-4162.
- 160.064/2432/0 Type III Buoyant Vest, Adult 44"-46", Model WJM-4162/SSV-4162.
- 160.064/2433/0 Type III Buoyant Vest, Adult 48"-50", Model WJM-4162/SSV-4162.
- 160.064/2436/0 Model FJ-7075, 7077, or IFJ-75, Adult XX-Large, "FLOTATION JACKET", "INDUSTRIAL FLOTATION JACKET", Type III PFD.
- 160.064/2437/1 Type III Buoyant/Fishing Vest, Adult 50"-52", Model SSV-2127/-2128/-2130/-2129/-4141/-4142/-2126/WJM-9198.
- 160.064/2438/1 Type III Buoyant Vest/Ski Vest, Adult 32"-40", Model SSV-5340/-5304.
- 160.064/2439/1 Type III Buoyant Vest/Ski Vest, Adult 42"-50", Model SSV-5340/-5304.
- 160.064/2452/0 Model FJ-7035 or IFJ-35, Adult Small, "BUOYANT JACKET", Type III PFD.
- 160.064/2453/0 Models FJ-7076 and IFJ-76, Adult Small, "FLOTATION JACKET" and "INDUSTRIAL FLOTATION JACKET", Type III PFD.
- 160.064/2454/0 Model FJ-7076 and IFJ-76, Adult Medium, "FLOTATION JACKET" and "INDUSTRIAL FLOTATION JACKET", Type III PFD.
- 160.064/2455/0 Model FJ-7076 and IFJ-76, Adult Large, "FLOTATION AID" and "INDUSTRIAL FLOTATION JACKET", Type III PFD.
- 160.064/2456/0 Model FJ-7076 and IFJ-76, Adult X-Large, "FLOTATION JACKET", and "INDUSTRIAL FLOTATION JACKET", Type III PFD.
- 160.064/2457/0 Model FJ-7076 and IFJ-76 Adult XX-Large, "FLOTATION JACKET", and "INDUSTRIAL FLOTATION JACKET", Type III PFD.
- 160.064/2497/0 Type III Buoyant Jacket, Adult 32"-34", Model FJ-7055/IFJ-35.
- 160.064/2498/0 Type III Buoyant Jacket/Vest, Adult 36"-38", Model FJ-7050/IFJ-50/WJM-9145/-9146/ILV-445/-446.
- 160.064/2499/0 Type III Buoyant Jacket/Vest, Adult 40"-42", Model FJ-7050/IFJ-50/WJM-9145/-9146/ILV-445/-446.
- 160.064/2500/0 Type III Buoyant Jacket/Vest, Adult 44"-46", Model FJ-7050/IFJ-50/WJM-9145/-9146/ILV-445/-446.
- 160.064/2501/0 Type III Buoyant Jacket/Vest, Adult 48"-50", Model FJ-7050/IFJ-50/WJM-9145/-9146/ILV-445/-446.
- 160.064/2502/0 Type III Buoyant Jacket/Vest, Adult 50"-52", Model FJ-7050/IFJ-50/WJM-9145/-9146/ILV-445/-446.
- 160.064/2552/1 Models WJM-9135,-9138,-9144 or SSV-4154, Adult XX-Large, cloth-covered unicellular plastic foam "BUOYANT VEST", "BUOYANT JACKET" or "FISHING VEST".

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.064/2685/0 Type IV Buoyant Cushion, 18"x18", Model GT-1984.
 160.064/2686/0 Type IV Buoyant Cushion, 20"x20", Model GT-1990.
 160.064/2724/0 Type IV Buoyant Cushion, Model GT-198.
 160.064/2752/0 Models SBV-3124 and 4124, Child Medium, "BOATING VEST", "FISHING VEST", or "SKI VEST", Type III PFD.

Siebeco Industries, Inc., 1020 West 40th St., Chicago, IL 60609

160.064/523/0 Type III PFD, Adult large, Model No. A.
 160.064/524/0 Type III PFD, Adult medium, Model No. B.
 160.064/525/0 Type III PFD, Adult small, Model No. C.

Sun Down Products, Inc., 99 Willie St., Lowell, MA 01854

160.064/858/0 Type III PFD, Adult, Model No. AP2.
 160.064/859/0 Type III PFD, Adult, Model No. AP3.
 160.064/860/0 Type III PFD, Adult, Model No. AP4.

Sunrise Sport & Marine Corp., dba Solar Sport, 12121 NE Northrup Way, Suite 109B, Bellevue, WA

160.064/1708/0 Model 100, Child, "BOATING VEST", Type III PFD.
 160.064/1709/0 Model 100, Youth, "BOATING VEST", Type III PFD.

Swan Products Co., Inc., 145-92 228th St., Springfield Gardens, NY 11413

160.064/1127/0 Type III Boating Vest, Adult Small, Model 900.
 160.064/1128/0 Type III Boating Vest, Adult Medium, Model 900.
 160.064/1129/0 Type III Boating Vest, Adult Large, Model 900.
 160.064/1280/0 Type III Boating Vest, Child Large (50 to 90 lb.), Model 750.
 160.064/1281/0 Type III Boating Vest, Child Medium (30 to 50 lb.), Model 750.
 160.064/1282/0 Type III Boating Vest, Child Small (30 to 50 lb.), Model 750.

Taperflex of America, 558 Library Street, San Fernando, CA 91341

160.064/209/0 Child small, Model CGXS.
 160.064/210/0 Child small, Model CGXS/S.
 160.064/211/0 Adult, Model CGM/L.
 160.064/212/0 Adult, Model CGL/XL.
 160.064/240/0 Type III Water Ski Vest, Child Medium (50 to 90 lb.), Model PS-G.
 160.064/241/0 Type III Water Ski Vest, Adult, Model PM-G.
 160.064/242/0 Type III Water Ski Vest, Adult, Model PL-G.
 160.064/243/0 Type III Water Ski Vest, Adult, Model PXL-G.
 160.064/244/0 Type III Water Ski Vest, Adult, Model PXXL-G.
 160.064/245/0 Type III Water Ski Vest, Ladies' Adult, Model LPZ-G.
 160.064/356/0 Type III PFD, Child medium, Model No. TSG.
 160.064/357/0 Type III PFD, Adult, Model No. TMG.
 160.064/358/0 Type III PFD, Adult, Model No. TLG.
 160.064/359/0 Type III PFD, Adult, Model No. TXLG.
 160.064/360/0 Type III PFD, Adult, Model No. TXXLG.
 160.064/361/0 Type III PFD, Adult ladies, Model No. TLZG.
 160.064/475/0 Type III, C-XXS, Model PXS-G.
 160.064/476/0 Type III, C-XS, Model PSS-G.
 160.064/477/0 Type III, A-M, Model YVS/M.
 160.064/478/0 Type III, A-XL Model YVL/XL.
 160.064/479/0 Type III, A-M Model SVS/M.
 160.064/480/0 Type III, A-XL Model SVL/XL.
 160.064/481/0 Type III PFD, Child XX-small, Model No. TXS-G.
 160.064/482/0 Type III PFD, Child X-small, Model No. TSS-G.
 160.064/645/0 Type III, C-M P, Model MS-G.

EQUIPMENT LISTS

160.064/646/0 Type III PFD, Child medium, TMS-G.
 160.064/751/0 Type III, A-S, Model NCS-G.
 160.064/752/0 Type III, A-M, Model NCM-G.
 160.064/753/0 Type III, A-L, Model NCL-G.
 160.064/754/0 Type III, Adult Universal, Model MCKL-G.
 160.064/755/0 Type III PFD, Adult small, Model No. TNS-G.
 160.064/756/0 Type III PFD, Adult medium, Model No. TNM-G.
 160.064/757/0 Type III PFD, Adult large, Model No. TNL-G.
 160.064/831/0 Type III, C-M, Model SVS.
 160.064/832/0 Type III, A-M, Model SVM.
 160.064/833/0 Type III, A-L, Model SVL.
 160.064/834/0 Type III, A-XL, Model SVXL.
 160.064/1068/0 Type III Buoyant Vest, Child Small, Model NCXS-G.
 160.064/1069/0 Type III Buoyant Vest, Child Med., Model NCSS-G.
 160.064/1070/0 Type III Buoyant Vest, Child Med., Model NCMS-G.
 160.064/1197/0 Type III Ski/Sport Safety Jacket, Child Small (30 to 50 lb.), Model NXs.
 160.064/1198/0 Type III Ski/Sport Safety Jacket, Child Medium (50 to 90 lb.), Model NSS.
 160.064/1199/0 Type III Ski/Sport Safety Jacket, Adult X-Small, Model NMS.
 160.064/1200/0 Type III Ski/Sport Safety Jacket, Adult Small, Model NS.
 160.064/1201/0 Type III Ski/Sport Safety Jacket, Adult Medium, Model NM.
 160.064/1202/0 Type III Ski/Sport Safety Jacket, Adult Large, Model NL.
 160.064/1203/0 Type III Ski/Sport Safety Jacket, Adult X-Large, Model NXL.
 160.064/1204/0 Type III Boating And Sailing Vest, Child Small (30 to 50 lb.), Model BXS.
 160.064/1205/0 Type III Boating And Sailing Vest, Child Medium (50 to 90 lb.), Model BSS.
 160.064/1206/0 Type III Boating And Sailing Vest, Adult X-Small, Model BMS.
 160.064/1207/0 Type III Boating And Sailing Vest, Adult Small, Model BS.
 160.064/1208/0 Type III Boating And Sailing Vest, Adult Medium, Model BM.
 160.064/1209/0 Type III Boating And Sailing Vest, Adult Large, Model BL.
 160.064/1210/0 Type III Boating And Sailing Vest, Adult X-Large, Model BXL.
 160.064/1211/0 Type III Ski/Sport Safety Jacket, Child Small (30 to 50 lb.), Model TCXS.
 160.064/1212/0 Type III Ski/Sport Safety Jacket, Child Medium (50 to 90 lb.), Model TCSS.
 160.064/1213/0 Type III Ski/Sport Safety Jacket, Adult X-Small, Model TAMS.
 160.064/1214/0 Type III Ski/Sport Safety Jacket, Adult Small, Model TAS.
 160.064/1215/0 Type III Ski/Sport Safety Jacket, Adult Medium, Model TAM.
 160.064/1216/0 Type III Ski/Sport Safety Jacket, Adult Large, Model TAL.
 160.064/1217/0 Type III Ski/Sport Safety Jacket, Adult X-Large, Model TAXL.
 160.064/1218/0 Type III Ski/Sport Safety Jacket, Child Small (30 to 50 lb.), Model TBXS.1
 160.064/1219/0 Type III Ski/Sport Safety Jacket, Child Medium (50 to 90 lb.), Model TBSS.
 160.064/1220/0 Type III Ski/Sport Safety Jacket, Adult X-Small, Model TBMS.
 160.064/1221/0 Type III Ski/Sport Safety Jacket, Adult Small, Model TBS.
 160.064/1222/0 Type III Ski/Sport Safety Jacket, Adult Medium, Model TBM.
 160.064/1223/0 Type III Ski/Sport Safety Jacket, Adult Large, Model TBL.
 160.064/1224/0 Type III Ski/Sport Safety Jacket, Adult X-Large, Model TBXL.
 160.064/F1460/0 Model ANXS, Child, "SKI 'N SPORTS VEST", Type III PFD.
 160.064/F1461/0 Model ANSS, Youth, "SKI 'N SPORTS VEST", Type III PFD.
 160.064/F1462/0 Model ANMS or INMS, Adult X-Small "SKI 'N SPORT VEST", Type III PFD.
 160.064/F1463/0 Model ANS or INS, Adult Small, "SKI 'N SPORT VEST", Type III PFD.
 160.064/F1464/0 Model ANM or INM, Adult Medium, "SKI 'N SPORT VEST", Type III PFD.

Taperpro, USA, 558 Library St., San Fernando, CA 91341

160.064/F1465/0 Model ATL, Adult Large, "SKI 'N SPORT VEST" Type III PFD.
 160.064/F1466/0 Model ATXL, Adult X-Large, "SKI 'N SPORT VEST", Type III PFD.
 160.064/A1747/0 Type II Youth Safety Vest, Youth (50-90 lb.), Model YTP.

FORMERLY APPROVED LIFESAVING EQUIPMENT

- 160.064/A1748/0 Type II Child Safety Vest, Child (30-50 lb.), Model CTP.
 160.064/A1749/0 Type II Infant Safety Vest, Infant (under 50 lb.), Model ITP.
- Taylortec, Inc., 2500 South Range Dr., Hammond, LA 70401
 160.064/817/0 Type III Boating & Ski Vest, Adult, Model 2A.
 160.064/818/0 Type III Boating & Ski Vest, Child Medium (50 to 90 lb.), Model 2M.
 160.064/819/0 Type III Boating & Ski Vest, Child Small (30 to 50 lb.), Model 2C.
 160.064/1144/0 Type III Industrial/Boating Vest, Adult Universal, Model Rodney I.
 160.064/1820/0 Type III Industrial/Recreation Vest, Adult, Model Rodney Segmented.
- Texas Recreation Corp., P.O. Drawer 539, Wichita Falls, TX 76307
 160.064/15/0 Type III Water Ski Jump Vest, Adult Medium, Model JAM.
 160.064/19/0 Model JAL, Adult Large, "WATER SKI-JUMP VEST", Type III, PFD.
 160.064/20/0 Type III Water Ski Jump Vest, Adult Small, Model JAS.
 160.064/21/0 Type III Water Ski Jump Vest, Child Medium (50 to 90 lb.), Model JCM.
 160.064/22/0 Type III Water Ski Jump Vest, Child Small (30 to 50 lb.), Model JCS.
 160.064/33/1 Adult large, Model SJL.
 160.064/44/0 18-inch, Model LR-18.
 160.064/64/1 Child small, Model SJS.
 160.064/65/1 Child medium, Model SJM.
 160.064/66/1 Adult X-large, Model SJXL.
 160.064/158/1 Type III Boating Jacket, Child Small (under 50 lb.), Model BJS.
 160.064/159/1 Type III Boating Jacket, Child Medium (30 to 50 lb.), Model BJM.
 160.064/160/1 Type III Boating Jacket, Adult Large, Model BJL.
 160.064/161/1 Type III Boating Jacket, Adult X-Large, Model BJXL.
 160.064/418/0 Type III Water Ski Vest, Adult Universal, Model LV.
 160.064/495/0 Type III Swim Vest, Child Small (30 to 50 lb.), Model VCS.
 160.064/496/0 Type III Swim Vest, Child X-Small (30 to 50 lb.), Model VCXS.
 160.064/526/0 Type III Boating Vest, Child Small (30 to 50 lb.), Model BJJ.
 160.064/585/0 Type III Boating Vest, Child Small (30 to 50 lb.), Model HP-J.
 160.064/586/0 Type III Boating Vest, Child (50 to 90 lb.), Model HP-XS.
 160.064/587/0 Type III Boating Vest, Adult, Model UVA.
 160.064/588/0 Type III Boating Vest, Adult, Model BZ-SM.
 160.064/589/0 Type III Boating Vest, Adult, Model BZ-ML.
 160.064/590/0 Type III Boating Vest, Adult Large/X-Large, Model BZ-LXL.
 160.064/1086/0 Type III Boating Vest, Adult, Model CBVS.
 160.064/1087/0 Type III Boating Vest, Adult, Model CBVM.
 160.064/1088/0 Type III Boating Vest, Adult, Model CBVL.
 160.064/1089/0 Type III Boating Vest, Adult, Model CBVXL.
 160.064/1091/0 Type III Boating Vest, Adult, Model CBVXXL.
 160.064/A2087/0 Type III Competition Ski Vest, Adult X-Small, Model CNVXS.
- Toyomenka, Inc., Suite 4011, One World Trade Center, New York, NY 10048
 160.064/1725/0 Type III Flotation Vest, Adult, Model VN5860.
- Trimarine Canada Ltd., 628 Monmouth Rd., P.O. Box 2545, Windsor, Ontario, Canada N8Y 4T3
 160.064/1874/0 Type III Flotation Jacket, Adult Medium, Model 101.
 160.064/1875/0 Type III Flotation Jacket, Adult Large, Model 101.
 160.064/1876/0 Type III Flotation Jacket, Adult X-Large, Model 101.
 160.064/1877/0 Type III Flotation Jacket, Adult XX-Large, Model 101.
 160.064/1878/0 Type III Flotation Jacket, Adult XXX-Large, Model 101.
 160.064/1879/0 Type III Flotation Jacket, Adult XXXX-Large, Model 101.
 160.064/1881/0 Type III Flotation/Angler/Canoe Vest, Adult Small, Model 201.
 160.064/1882/0 Type III Flotation/Angler/Canoe Vest, Adult Medium, Model 201.

EQUIPMENT LISTS

160.064/1883/0 Type III Flotation/Angler/Canoe Vest, Adult Large, Model 201.
 160.064/1884/0 Type III Flotation/Angler/Canoe Vest, Adult X-Large, Model 201.
 160.064/1885/0 Type III Flotation/Angler/Canoe Vest, Adult XX-Large, Model 201.
 160.064/1886/0 Type III Flotation/Angler/Canoe Vest, Adult XXX-Large, Model 201.
 160.064/1887/0 Type III Flotation/Angler/Canoe Vest, Adult XXXX-Large, Model 201.
 160.064/1927/0 Type III Flotation Jacket, Adult X-Small, Model 101.

Tuffy Products Co., 540 West Third St., Bloomsburg, PA 17815

160.064/306/0 Type III PFD, Child medium, Model SJM.
 160.064/307/0 Type III PFD, Adult large, Model SJL.

Utica Dixbak Corporation, Utica, NY 13502

160.064/1283/0 Type III, Ad. Sm., Model 1100.
 160.064/1284/0 Type III, Ad. Med, Model 1100.
 160.064/1285/0 Type III, Ad. Lg, Model 1100.
 160.064/1286/0 Type III, Ad. X-Lg, Model 1100.
 160.064/1361/0 Type III, Ad. XX-Lg, Model 1100.

Vogue Ski Co., 9416 Gidley Ave., Temple City, CA 91780

160.064/258/0 Type III Water Ski Vest, Child Medium (50 to 90 lb.), Model SR-S.
 160.064/259/0 Type III Water Ski Vest, Adult, Model SR-M.
 160.064/260/0 Type III Water Ski Vest, Adult, Model SR-L.
 160.064/261/0 Type III Water Ski Vest, Adult, Model SR-XL.
 160.064/262/0 Type III Water Ski Vest, Adult, Model SR-XXL.
 160.064/263/0 Type III Water Ski Vest, Ladies' Adult, Model SR-W.
 160.064/483/0 Type III, C-XXS, Model SR-P.
 160.064/484/0 Type III, C-XS, Model SR-J.
 160.064/643/0 Type III, C-M, Model SR-XS.
 160.064/826/0 Type III, C-M, Model VSC YOUTH.
 160.064/827/0 Type III, Ad. Univ., Model VSC-M.
 160.064/828/0 Type III, Ad. Univ., Model VSCX-L.
 160.064/829/0 Type III, Ad. Univ., Model VSCX-L.
 160.064/830/0 Type III, Ad. Univ., Model VSCXX-L.
 160.064/866/0 Type III, Adult, Model 505.
 160.064/867/0 Type III Adult, Model 505.
 160.064/868/0 Type III Adult, Model 505.
 160.064/869/0 Type III Adult, Model 505.
 160.064/1092/0 Type III under 50 pounds, Model 505.
 160.064/1093/0 Type III 50 to 90 pounds, Model 505.
 160.064/1094/0 Type III Buoyant Vest, Adult, Model 505.
 160.064/1529/0 Type III, Child, Model 705G.
 160.064/1530/0 Model 705F, Youth Medium (for persons 50 to 90 lb), cloth covered unicellular plastic foam "SKI AND SPORTS VEST", TYPE III PFD.
 160.064/1531/0 Model 705E, Adult X-Small, cloth covered unicellular plastic foam "SKI AND SPORTS VEST", Type III PFD.
 160.064/1532/0 Model 705D, Adult Small, cloth covered unicellular plastic foam "SKI AND SPORTS VEST", Type III PFD.
 160.064/1533/0 Model 705C, Adult Medium, cloth covered unicellular plastic foam "SKI AND SPORTS VEST", Type III PFD.
 160.064/1534/0 Model 705B, Adult Large, cloth covered unicellular plastic foam "SKI AND SPORTS VEST", Type III PFD.

Wellington Industries, Inc., P.O. Box 244, Madison, GA 30650

160.064/229/0 Type II Life Vest, Child Small (under 50 lb.), Model S9963.
 160.064/230/0 Type II Life Vest, Child Medium (50 to 90 lb.), Model S9964.

FORMERLY APPROVED LIFESAVING EQUIPMENT

- 160.064/231/0 Type II Life Vest, Adult, Model S9965.
- 160.064/232/0 Type IV Ring Life Buoy, 20" Model S9935.
- 160.064/235/0 Type III Water Ski Vest, Adult Medium, Model 2030.
- 160.064/236/0 Type III Water Ski Vest, Adult Large, Model 2030.
- 160.064/237/0 Type III Water Ski Vest, Adult X-Large, Model 2030.
- 160.064/238/0 Type III Water Ski Vest, Adult XX-Large, Model 2030.
- 160.064/451/0 Type III Swim/Ski Vest, Child Pee Wee (30-50 lb.), Model 2010.
- 160.064/470/0 Type III Ski/Swim/Jump Vest, Child Medium (50 to 90 lb.), Model S9758.
- 160.064/503/0 Type III Water Sports Vest, Adult Small/Medium, Model S97.
- 160.064/504/0 Type III Water Sports Vest, Adult Large/X-Large, Model S97.
- 160.064/667/0 Type III PFD, Model 97M, Adult medium.
- 160.064/668/0 Type III PFD, Model 97L, Adult large.
- 160.064/669/0 Type III Ski/Swim/Jump Vest, Child Small (under 50 lb.), Model S9756.
- 160.064/670/0 Type III Water Sports Vest, Adult Small, Model S9791.
- 160.064/771/0 Type III Water Ski Vest, Child Medium (50-90 lb.), Model 2010.
- 160.064/772/1 Type III Water Ski Vest, Adult Medium, Model 2020.
- 160.064/773/1 Type III Water Ski Vest, Adult Large, Model 2020.
- 160.064/774/1 Type III Water Ski Vest, Adult X-Large, Model 2020.
- 160.064/1406/0 Type III Float Coat, Adult Small, Model 1100.
- 160.064/1407/0 Type III Float Coat, Adult Medium, Model 1100.
- 160.064/1408/0 Type III Float Coat, Adult Large, Model 1100.
- 160.064/1409/0 Type III Float Coat, Adult X-Large, Model 1100.
- 160.064/1586/0 Type III Boating Buoyant Vest, Adult Small, Model 1010, 1015, or 1016.
- 160.064/1587/0 Type III Boating Buoyant Vest, Adult Medium, Model 1010, 1015, or 1016.
- 160.064/1588/0 Type III Boating Buoyant Vest, Adult Large, Model 1010, 1015, or 1016.
- 160.064/1589/0 Type III Boating Buoyant Vest, Adult X-Large, Model 1010, 1015, or 1016.
- 160.064/1669/0 Type III Ski Swim and Jump Vest, Adult Small, Model S-8001.
- 160.064/1670/0 Type III Ski Swim and Jump Vest, Adult Medium, Model S-8002.
- 160.064/1671/0 Type III Ski Swim and Jump Vest, Adult Large, Model S-8003.
- 160.064/1672/1 Type III Water Ski Vest, Adult Small, Model 2020.
- 160.064/1673/0 Type III Ski Vest, Adult Small/Medium, Model S-8010.
- 160.064/1674/0 Type III Ski Vest, Adult Large/X-Large, Model S-8011.
- 160.064/1726/0 Type IV Buoyant Cushion, 16" x 16" Model S9949.
- 160.064/1727/0 Type IV Buoyant Cushion, 18"x18" Model S9952.
- 160.064/1774/0 Type III Swim/Jump/Ski Vest, Child Small (30 to 50 lb.), Model S9767.
- 160.064/2240/0 Type III Boating Buoyant Vest, Child (50-90 lb.), Model 1061.
- 160.064/2306/0 Type III Buoyant Vest or Jacket, Adult X-Large, Model WO539.

West Products Co., P.O. Box 707, Newark, NJ 07101

- 160.064/607/0 Type IV PFD, small, Model No. 52-459 or 52-463.
- 160.064/608/0 Type IV PFD, small, Model No. 52-460 or 52-464.

Western Water Skis Manufacturing, Lake Oswego, OR 97034

- 160.064/195/0 Type III PFD, Child small, Model No. 7-0075.
- 160.064/196/0 Child small, Model 7-0076, vinyl-dipped unicellular plastic foam, Type III PFD.
- 160.064/197/0 Type III PFD, Adult, Model No. 7-0077.
- 160.064/198/0 Type III PFD, Adult, Model No. 7-0078.
- 160.064/461/0 Type III, C-S, Model 86.
- 160.064/462/0 Type III, C-L, Model 87.
- 160.064/463/0 Type III, A-S, Model 88.
- 160.064/464/0 Type III, A-M, Model 89.
- 160.064/465/0 Type III, A-L, Model 90.
- 160.064/466/0 Type III, A-XL, Model 91.

EQUIPMENT LISTS

160.064/467/0 Type III, Adult, Model 92.
 160.064/468/0 Type III, Adult, Model 93.
 160.064/A1089/0 Type III Boating Vest, Adult, Model CBVXL-103.
 160.064/1137/0 Type III, Child, Model 84.
 160.064/1138/0 Type III, Child, Model 85.
 160.064/1139/0 Type III, Adult, Model 94.
 160.064/1140/0 Type III, Adult, Model 95.
 160.064/1141/0 Type III, Adult, Model 96.
 160.064/1142/0 Type III, Adult, Model 97.
 160.064/1169/0 Type III, Ad. Sm., Model CBVS-100.
 160.064/1170/0 Type III, Ad. Med., Model CBVM-101.
 160.064/1171/0 Type III, Ad. Lg., Model CBVS-102.

World Team Manufacturing, 25 Pamaron Way, Novato, CA 94947

160.064/1334/0 Type III, Child Small, Model S9762.
 160.064/1335/0 Type III, Adult Small, Model S9763.
 160.064/1336/1 Type III, Adult Med., Model S9764.
 160.064/1337/1 Type III, Adult Large, Model S9765.
 160.064/1338/1 Type III, Adult X-Large, Model S9766.

Yamaha Parts Distributors, Yamaha Motor Corp, USA, 6555 Katella Ave, P.O. Box 6555, Cypress, CA 90630

160.064/G1462/0 Type III Ski Vest, Adult 28"-32", Model ANMS/XKXS.
 160.064/G1463/0 Type III Ski Vest, Adult 32"-36", Model ANS/SKS.
 160.064/G1464/0 Type III Ski Vest, Adult 36"-40", Model ANM/SKM.
 160.064/G1465/0 Type III Ski Vest, Adult 40"-44", Model ANL/SKL.
 160.064/G1466/0 Type III Ski Vest, Adult 44"-48", Model ANXL/SKXL.
 160.064/G2087/0 Type III Ski Vest, Adult 28"-32", Model CJMS.
 160.064/G2088/0 Type III Ski Vest, Adult 32"-36", Model CJS.
 160.064/G2089/0 Type III Ski Vest, Adult 36"-40", Model CJM.
 160.064/G2090/0 Type III Ski Vest, Adult 40"-42", Model CJL.
 160.064/G2185/0 Type III Ski Vest, Adult 44"-48", Model CJXL.
 160.064/G2195/0 Type III Ski Vest, Adult 48"-52", Model ANXXL.

Zapp Inc., P.O. Box 1157, El Cerrito, CA 94530

160.064/910/0 Type II PFD, Child small, Model No. F1.

160.065 PROTECTING COVER FOR LIFEBOATS

A. L. Robertson, Inc., 325 South Kresson St., Baltimore, MD 21224

160.065/6/0 Robertsons Anti-Exposure Cover, Type I.

Genlex Corp., Carbondale, PA 18407

160.065/1/0 Genlex Cateary Lifeboat Cover, Type I.

160.065/5/0 Mark 2, Type I.

Harding Safety A/S, N-5470 Rosendal, Norway

160.065/8/0 Protective Cover for Harding MA24 open lifeboat.

160.065/9/0 Protective Cover for lifeboats, Harding MA26 and RA26.

Raftgo Hendry Manufacturing Co., 12-A Pamaron Way, Novato, CA 94947

160.065/4/2 Sea-Jay Anti-Exposure lifeboat cover, Type I.

Schat-Marine Safety Corp., P.O. Box 465, Foot of Industrial Rd., Farmingdale, NJ 07727

160.065/2/0 "MASECO", Type I, protecting cover.

160.066 RED AERIAL PYROTECHNIC FLARE

Kilgore Corp., Bradford Rd., Toome, TN 38381-0099

160.066/1/0 Unistar II, self-contained red meteor flare.

160.066/2/0 25 mm Red Meteor Flare Cartridge, plastic cased, 7.5 second burn time, 30,000 candela, 200 feet altitude.

160.066/3/0 Kilgore Hand Held Red Flare-Model H. O.

160.066/4/1 12 ga. red meteor flare cartridge.

160.066/5/1 25 mm red parachute flare cartridge.

160.066/A10/0 Olia 12 Gauge Red Meteor Flare cartridge for use in approved 12 gauge signal pistol-6 second burn time, 10,000 candela, 250 feet altitude.

160.066/13/0 Twin-star, self-contained red meteor flare.

160.066/A22/0 Kilgore Six Shot Cartridge, Type 6/16 x 45 mm, for use in Kilgore Six Shot Launcher.

Olia Corp., R.R. 4, P.O. Box 107, Peru, IN 46970

160.066/A3/0 25 mm Red Meteor Flare Cartridge, aluminum case, 7 second burn time.

Orion Marine Signal Products, Div. Of Std. Fusee Corp., P.O. Box 107, Peru, IN 46970

160.066/A2/0 25 mm Red Meteor Flare Cartridge, plastic cased, 7.5 second burn time, 30,000 candela, 200 feet altitude.

160.066/A3/0 25 mm Red Meteor Flare Cartridge, aluminum cased, 7 second burn time.

Penguin Industries, Inc., Airport Industrial Mall, Coatsville, PA 19320

160.066/18/0 Penguin 12.6 mm red aerial flare, for use with MOD PG flare launcher.

Royal Ordnance Factory, Chorley, Lancashire PR7 6AD, United Kingdom

160.066/7/0 Dial-A-Star Mark I cassette (eight approved flares in each cassette).

160.070 AUTOMATIC DISENGAGING DEVICES

SMR Technologies Inc. (formerly B. F. Goodrich), P.O. Box 326, 1420 Wolf Creek Trail, Sharon Center, OH 44274-0326

160.070/1/0 Type 3RA 1158; 4,000-lb working load.

160.070/2/0 Type 5RA-1133; 5,000-lb working load.

160.071 EXPOSURE SUITS

Dunlop-Beaufort Canada Ltd., 12351 Bridgeport Rd., Richmond, British Columbia, Canada V6V 1J4

160.071/24/0 Model Boss 16, Adult.

Fitz-Wright Co. Ltd., 5760 Production Way, Langley, British Columbia, Canada V3A 4N4

160.071/3/3 Model 9450 Adult.

160.071/21/1 Model 9700 FWP Adult.

160.071/28/1 Model 9700 FWP Jumbo.

Harvey's Skin Diving Supply, Inc., 2505 South 252nd St., Kent, WA 98031

160.071/4/0 Model NT 2002 Adult.

160.071/19/0 Model NT 2002C Child/Small Adult.

160.071/20/0 Model NT 2002J Adult Extra Large.

Mustang Industries, Inc., 3810 Jacombs Rd., Richmond, British Columbia, Canada V6V 1Y6

160.071/16/0 Model IS-2 Adult.

160.071/22/0 Model IS-2 Adult Oversize.

Narwahl Marine, Ltd., 50 Ackerley Blvd., Dartmouth, Nova Scotia, Canada B3B 1R8

160.071/10/0 Model E38-001 Adult.

O'Neill, Inc., 1071 41st Ave., Santa Cruz, CA 95062
 160.071/23/0 Model 4123 or 8-123 Adult.
 160.071/29/0 Adult Jumbo (for person weighing more than 330 pounds and/or more than 75 inches tall) Exposure Suit, Model 4124 or 8-124.

Parkway Fabricators, 241 Raritan St, South Amboy, NJ 08879
 160.071/7/1 Imperial Model 1409 Adult Extra Large.

Sea Otter Thermal Wear Mfg., 327-5930 No. 6 Rd., Richmond, British Columbia, Canada V6V 1S1
 160.071/11/1 Model 41439 "Sea Wolf" exposure suit, Adult.

Stearns Manufacturing Co., 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302
 160.071/12/0 Model ISS-590 Adult Universal.
 160.071/18/0 Model ISS-592 Adult.
 160.071/25/0 Model ISS-590 Jumbo.

Survival International, Inc., 7859 South 180th St., Kent, WA 98032
 160.071/26/0 Model 316-AU Adult Universal.

160.072 DISTRESS SIGNALS FOR BOATS, ORANGE FLAG

Annis and Co., 163 Bloomfield Ave., Verona, NJ 07044

Atlantic Pacific Mfg. Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104

Distress Cloth Company, MPO Box 2521, Niagara Falls, NY 14302

The Guest Corporation, 48 Elm St., P.O. Box 2509 Station A, Meriden, CT 06450

Mayday Signal Co., P.O. Box 537, Gloucester, MA 01930

R. V. Thompson & Associates, 84 Cardo Rd., Hamden, CT 06514

Safety Flag Co. of America, 390 Pine St., P.O. Box 1005, Pawtucket, RI 02862

160.077 HYBRID INFLATABLE PERSONAL FLOTATION DEVICE

Ero Industries Inc., 308 South Williams St., PO Box 755, Hazelhurst, GA 31539
 160.077/1/0 Type V Rec1 Hybrid, Oral-Type II, Adult Universal, Model H5.

Stearns Manufacturing Co., 30th & Division Streets, P.O. Box 1498, St. Cloud, MN 56302
 160.077/0/0 Type V Hybrid Work Vest (for field test), Adult Universal.

160.115 WINCHES, LIFEBOAT (SOLAS)

Schat-Watercraft, Inc., 167 Bell Ave., P.O. Box 1050, Oak Hill, FL 32759
 160.115/12/0 Type BE 7800, maximum load of 7800 kg (17,200 lb) pull at the drums (3900 kg (8600 lb) per fall).
 160.115/13/0 Type B 11.5 Lifeboat winch; only and for a maximum load of 25,760 lb pull at the drums (12,880 lb per fall)

Vestdavit A/S, C. Sandstgt. 37, N-5004 Bergen, Norway
 160.115/26/0 Vestvinsj C-194-1 hydraulic rescue boat winch; approved for a maximum working load of 1500 kg on a single-part fall. Approval applies only to single installation on R/V NATHANIEL B. PALMER.

160.121 SIGNALS, DISTRESS, RED HAND FLARE (SOLAS)

Kilgore Corp., Bradford Road, Toone, TN 38381-0099
 160.121/1/0 High Output Hand Held Red Flare, 15,000 candela, 60 second burn time.
 160.121/A3/0 High Output Hand Held Red Flare, 15,000 candela, 60 second burn time.

FORMERLY APPROVED LIFESAVING EQUIPMENT

160.122 SIGNALS, DISTRESS, FLOATING ORANGE SMOKE

- Kilgore Corp., Bradford Road, Toome, TN 38381-0099
 160.122/1/0 Model X-5 floating orange smoke distress signal.
 160.122/5/0 Model K3A minute floating orange smoke distress signal.

160.132 DAVITS, LIFEBOAT (SOLAS)

- Vestdavit A/S, C. Sandstgt. 37, N-5004 Bergen, Norway
 160.132/28/0 Vestdavit PL-1500 hydraulic luffing rescue boat davit; approved for a maximum working load of 1500 kg on a single-part fall. Approval applies only to single installation on R/V NATHANIEL B. PALMER.

160.136 SIGNALS, DISTRESS, HAND-HELD ROCKET-PROPELLED PARACHUTE RED FLARE (SOLAS)

- Kilgore Corp., Bradford Road, Toome, TN 38381-0099
 160.136/A3/0 Proteus III Hand Held Rocket Propelled Parachute Red Flare, 30,000 candela, 40 second burn time, 300 meter altitude.

160.151 LIFE RAFTS, INFLATABLE (SOLAS)

- Plastimo Inflatable Rafts, 3874 Fiscal Court, Riviera Beach, FL 33404
 160.151/A20/1 Six-person square-waterplane inflatable liferaft with SOLAS "A" Pack or "B" Pack equipment.
 160.151/A21/1 Eight-person square-waterplane inflatable liferaft with SOLAS "A" Pack or "B" Pack equipment.
 160.151/A22/0 Ten-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" Pack or "B" Pack equipment.
 160.151/A23/0 Twelve-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" Pack or "B" Pack equipment, complying with SOLAS 74/83.
 Seaco/Elliott, Inc., 3874 Fiscal Court, Riviera Beach, FL 33404
 160.151/20/1 Six-person square-waterplane inflatable liferaft, with SOLAS "A" Pack or "B" Pack equipment.
 160.151/21/1 Eight-person square-waterplane inflatable liferaft, with SOLAS "A" Pack or "B" Pack equipment.
 160.151/22/0 Ten-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" Pack or "B" Pack equipment.
 160.151/23/0 Twelve-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" Pack or "B" Pack equipment.
 160.151/24/0 Sixteen-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" Pack or "B" Pack equipment.
 160.151/25/0 Twenty-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" Pack or "B" Pack equipment.
 160.151/26/0 Twenty-five-person inflatable liferaft (E-SOLAS-83 Series), with SOLAS "A" Pack or "B" Pack equipment.
 160.151/27/0 25-person davit-launched inflatable liferaft (E-SOLAS-83 Series), SOLAS A Pack or B Pack equipment.
 Viking A/S Nordisk Gummibaadfabrik, P.O. Box 3060, 6710 Esbjerg V, Denmark
 160.151/1/0 4-person inflatable liferaft, Viking Type 4 DK.

160.156 RESCUE BOATS

- Zodiac Hurricane Technologies Inc. 110-5940 No. 2 Road, Richmond, British Columbia, Canada V7C 4R9
 160.156/3/0 RIB-S, 22.5 ft., 9-person, rigid inflatable boat with an inflatable collar of heavy duty neoprene-hypalon coated polyester weave fabric.

EQUIPMENT LISTS**160.157 SIGNALS, DISTRESS, FLOATING ORANGE SMOKE (15 MINUTE) (SOLAS)**

Kilgore Corp, Bradford Road, Toone, TN 38381-0099
160.157/1/0 15-minute Floating Orange Smoke Distress Signal

160.170 AUTOMATIC DISENGAGING DEVICES

Norpol Technic A/S, Odinsvej 1, DK-7200 Griested, Denmark
160.170/4/0 Type ILR 1.2 approved for 1200 kg (2645 lb), Type ILR 2.1 approved for 2100 kg (4630 lb), and Type ILR 3.3 approved for 3300 kg (7275 lb).
160.170/5/0 Type IRB 1.2 approved for 1200 kg (2645 lb), Type IRB 2.1 approved for 2100 kg (4630 lb), and Type IRB 3.3 approved for 3300 kg (7275 lb).
160.170/6/0 Type MOB 1.2 approved for 1200 kg (2645 lb), Type MOB 2.1 approved for 2100 kg (4630 lb), Type MOB 3.3 approved for 3300 kg (7275 lb).

160.171 IMMERSION SUITS

Survival International, Inc., 7859 South 180th St., Kent, WA 98032
160.171/1/0 Model 316-AU, Adult Universal, insulated buoyant "IMMERSION SUIT", approved only when auxiliary buoyancy unit is attached.

FORMERLY APPROVED ELECTRICAL EQUIPMENT

161.001 LIGHTS, WATER, AUTOMATIC FLOATING, ELECTRIC

Coston Supply Co., 44 Hudson St., New York, NY 10012
161.001/4/1 Drawing No. 16-59, Alt. 2.

Gallbraith Pilot Marine Corp., 600 Fourth Ave., Brooklyn, NY 11215
161.001/2/0 Drawing No. E-851, Alt. 2.
161.001/5/2 Drawing No. E-951, Alt. 1, Rev. D.

Neo-Flasher Electronics, Inc., 11975 Sherman Rd., North Hollywood, CA 91605
161.001/9/0 Assembly Drawing No. DL-8-100, Rev. B.

Pomill Manufacturing Corp., 17 Battery Place, New York, NY 10004
161.001/3/1 Drawing No. 606, Alt. 2.
161.001/6/0 Drawing No. 607, Alt. 1.

Sea Light Engineering Co., P.O. Box 409, Silver Spring, MD 20907
161.001/1/1 Drawing No. 1000, Alt. 2.

Soderberg Manufacturing Co., Inc., 20821 Camier Rd., Walnut, CA 91789
161.001/7/0 Drawing No. S-1161-CG, Alt. D.

161.002 FIRE PROTECTIVE SYSTEMS

Cerberus Pyrotechnics, 8 Ridgedale Ave., Cedar Knolls, NJ 07927
161.002/14/0 High Voltage Fire Detection System.

Detex Corp., 53 Park Place, New York, NY 10007
161.002/8/1 Models D, FKDS, FKDL, SK, and SKL.

Fenwal, Inc., Ashland, MA 07121
161.002/2/1 Type 27020, fire alarm thermostat, 140° F, 160° F, and 225° F, closed circuit type.
161.002/3/1 Type 27021, fire alarm thermostat, 140° F through 300° F, open circuit type.

Fyr-Fyler Co., P.O. Box 2750, Newark, NJ 07114
161.002/4/3 Model ESDS-1, audible and visual supervised smoke detecting system.

Heaschel Corp., 9 Hoyt Drive, P.O. Box 30, Newburyport, MA 01950
161.002/1/1 Types I and II.
161.002/9/1 Supervised automatic and manual fire alarm system.

Seatronic Engineering & Mfg. Co., 1230 East Joppa Rd., Towson, MD 21204
161.002/16/0 Seatronic Automated Fire Detection System.

Sig-Trans, Inc., Amesbury, MA 01913
161.002/5/0 Supervised automatic and manual fire alarm system.

Tele-Dynamics Div., American Bosch Arma Corp., 5000 Parkside Ave., Philadelphia, PA 19131
161.002/7/1 Supervised automatic and manual fire alarm system.

Walter Kidde Div., 1394 South Third St., Mebane, NC 27302-9099
161.002/6/0 Type RB smoke detector system.

Wormald Electronics Div. (formerly Ansul Co.), Suite 309, 2025 Royal Lane, Dallas, TX 75229
 161.002/11/2 Model ESOS-2, Supervised audible and visual photoelectric optical smoke detecting system.
 161.002/15/1 Ansul and Wormald Antopulse Marine Control System.

161.005 TELEPHONE SYSTEMS, SOUND POWERED

Alwin Products Corp., 161 Van Wageningen Ave., Jersey City, NJ 07306
 161.005/6/0 Telephone station, waterproof, dwg. no. W.T.P.-208, alt. 0.
 161.005/7/0 Telephone station, waterproof, dwg. no. W.T.P.-207, alt. 0.
 161.005/8/0 Telephone station, splashproof, Types ASP, ASPR, and ASPRH, dwg. no. ASP-200, alt. 3.
 161.005/9/0 Telephone station, splashproof, Types CSP, CSPR, and CSPRH, dwg. no. CSP-201, alt. 3.
 161.005/10/0 Telephone station, waterproof, Types WT No. 202 and WT No. 203, dwg. no. WTB-202/WTP-203, alt. 3.

Automatic Electric Sales Corp., 1033 West Van Buren St., Chicago, IL 60607
 161.005/21/0 Telephone handset, Type 22, dwg. no. L-893, issue 23.
 161.005/22/0 Telephone station, splashproof, Type S.P.B., Model 2, dwg. no. L-7002, issue 24.
 161.005/23/0 Telephone station, splashproof, Type S.P.B., Model 2, dwg. no. L-703, issue 22.
 161.005/24/0 Telephone station, waterproof, Type W.T.B., Model 2, dwg. no. L-7004, issue 26.
 161.005/25/0 Telephone station, waterproof, Type W.T.B., Model 2, dwg. no. L-7005, issue 25.
 161.005/26/0 Telephone station, waterproof, Type W.T.P., Model 2, dwg. no. L-7006, issue 22.
 161.005/27/0 Telephone station, waterproof, Type W.T.P., Model 2, dwg. no. L-7007, issue 24.
 161.005/28/0 Telephone station, waterproof, Type W.T.P., Model 2, dwg. no. L-7008, issue 23.

Dynalec Corp., 87 West Main St., P.O. Box 188, Sodas, NY 14551-0188
 161.005/36/3 Type 702019-075 (previously numbered type 333-1 produced by Stromberg Carlson Corp.).

General Electric Aerospace, GE Aerospace, Delaware & Cooper St., Camden, NJ 08102
 161.005/30/0 Telephone handset Model MI-2045-E, dwg. no. W-302828-502.
 161.005/31/0 Telephone handset Model MI-2040-A, dwg. no. TT-613025-504.
 161.005/32/0 Telephone signal unit, Model MI-2471, waterproof, dwg. no. W-130924-501.
 161.005/33/0 Telephone station assembly (less signal unit), Model MI-2044-A, waterproof, dwg. no. W-130429-502.
 161.005/34/0 Handset, Model MI-2040-A, and brackets for bulkhead mounting, Models MI-2452 and MI-2062-B, and T-161374-3.

Heaschel Corp., 9 Hoyt Drive, P.O. Box 30, Newburyport, MA 01950
 161.005/1/1 Telephone station, splashproof, drawing no. 70-523-1, alt. 3.
 161.005/2/1 Telephone station, splashproof, drawing no. 70-523, alt. 4.
 161.005/3/4 Telephone station assembly, waterproof, drawing no. 70-526, alt. 6.
 161.005/69/0 Telephone station, console mounted, Types 8, 17, and 23, dwg. no. 70-541-7.

Hose-McCana Telephone Co., Inc., 524 West 23rd St., Brooklyn, NY 10011
 161.005/11/1 Telephone station, waterproof, Type A, Model WT-1, dwg. no. 11, alt. 3.
 161.005/13/1 Telephone station, splashproof, Type A, Model E, dwg. no. 3, alt. 3.
 161.005/14/0 Telephone station, splashproof, Type A, Model E, dwg. no. 4, alt. 2.
 161.005/15/1 Telephone station, waterproof, Type A, Model W.T., dwg. no. 5, alt. 3.
 161.005/16/1 Telephone station, waterproof, Type A, Model W.T., dwg. no. 6, alt. 3.
 161.005/17/1 Telephone station, waterproof, Type A, Model W.T.P., dwg. no. 8, alt. 3.
 161.005/18/1 Telephone station, splashproof, Models K-4, K-6, and K-8, dwg. no. 9, alt. 3.
 161.005/19/1 Telephone station, waterproof, Type A, Model W.T.P., dwg. no. 12, alt. 3.
 161.005/35/0 Telephone station, non-waterproof, Model D, dwg. no. 16, alt. 1.
 161.005/39/1 Telephone station relay, electrical release, splashproof, dwg. no. 17-01, alt. 2.
 161.005/40/2 Telephone station relay, non-locking, splashproof, dwg. no. 18, alt. 3.
 161.005/41/0 Signal relay control, splashproof, dwg. no. 19, alt. 1.

- 161.005/59/1 Telephone station, panel, 3-circuit manual reset, splashproof, dwg. no. 28-03, alt. 0.
- 161.005/60/0 Telephone station, Model SHD, non-watertight, dwg. no. 57-01, alt. 0.
- 161.005/63/0 Model SWTP-H telephone station.
- 161.005/98/0 Model 1, 2, 4, 12, 19, and 24 station.
- 161.005/99/0 Model 0, 2 to 24 station.
- 161.005/100/0 Model F, 2, 8, 12, 19, and 24 station.

Sound Powered Telephone Mfg. Co., 6270 Dean Parkway, P.O. Box 495, Ontario, NY 14519

- 161.005/55/0 Telephone station, Model SWT4, watertight, dwg. no. 55, alt. 0.
- 161.005/56/0 Telephone station, Model SWT, watertight, dwg. no. 56, alt. 0.
- 161.005/57/0 Model SWTP telephone station.
- 161.005/92/0 Sound-powered telephone.
- 161.005/93/0 Sound-powered telephone.
- 161.005/94/0 Switching unit, types 871-FM and 881-FM.
- 161.005/95/0 Dwg. no. 901493, sheets 1-3.
- 161.005/96/0 Dwg. no. 901414, sheets 1-4.
- 161.005/97/0 Dwg. no. 901410, sheets 1-3.
- 161.005/101/0 Headset 4C100, Headset jack box HJ2 and HJ3.

Tele-Dynamics Div., American Bosch Arma Corp., 5000 Parkside Ave., Philadelphia, PA 19131

- 161.005/42/0 Telephone station, Type SD and Type 17D, dwg. no. B 169, alt. 1.
- 161.005/43/1 Telephone station, Type SS and Type 17S, dwg. no. B 170, alt. 1.
- 161.005/44/0 Telephone station, Type 8W and Type 17W, dwg. no. B 171, alt. 1.
- 161.005/45/0 Telephone station, Type SWP and Type 17WP, dwg. no. B 172, alt. 1.
- 161.005/46/1 Telephone signal relay, dwg. no. B 177, alt. 1.
- 161.005/47/0 Telephone signal relay, dwg. no. B 173, alt. 0.
- 161.005/48/0 Telephone station, Type SDDS and Type 17DDS, dwg. no. B 174, alt. 2.
- 161.005/49/0 Telephone extension bell relay, dwg. no. B 196.
- 161.005/50/0 Telephone station, Type SWB and Type 17WB, dwg. no. B 171-1, alt. 1.

United States Instrument Co., 409 Broad St., Summit, NJ 07901

- 161.005/20/0 Telephone handset, dwg. no. A-257, alt. 2.

161.006 SEARCHLIGHT, MOTOR LIFEBOAT

Portable Light ITT, 501 West Liberty, Springfield, OH 45501

- 161.006/1/0 One-mile-ray, Type N motor lifeboat searchlight.

161.008 FLASHLIGHTS, ELECTRIC HAND

Bright Star Industries, 600 Getty Ave., Clifton, NJ 07011

- 161.008/5/7 No. 1918, waterproof, Type I, size no. 2.
- 161.008/6/7 No. 1925, waterproof, Type I, Size no. 3.
- 161.008/7/2 No. 1917, watertight and explosionproof, Type II, size no. 2.
- 161.008/8/2 No. 1924, watertight and explosionproof, Type II, size no. 3.
- 161.008/15/2 No. 2217, explosionproof, Type II, size no. 2.
- 161.008/16/2 No. 2224, explosionproof, Type II, size no. 3.

Fulton Industries, Inc., 135 East Linfoot St., P.O. Box 377, Wauscon, OH 43567

- 161.008/13/0 No. N-36, watertight, Type I, size no. 2.
- 161.008/14/0 No. N-35, explosionproof, Type II, size no. 2.
- 161.008/21/0 Model no. 95.

G. T. Price Products, Inc., 2223 East 37th St., Los Angeles, CA 90058

- 161.008/19/0 Model no. GC-3CG, waterproof, Type I, Size no. 3.

Stewart R. Browne Manufacturing Co., 5 Dunwoody Park, Suite 127, Garden City, L.I., NY 11530
 161.008/1/0 Model F80, waterproof, Type I, size no. 2.
 161.008/2/0 Model F90, waterproof, Type I, size no. 3.
 161.008/3/0 Model F81, explosionproof, Type II, size no. 2.
 161.008/4/0 Model F91, explosionproof, Type II, size no. 3.
 161.008/9/2 Model F-91X, watertight, size no. 3.
 161.008/10/2 Model F-81X, watertight, size no. 2.

Union Carbide Corp., P.O. Box 6056, Cleveland, OH 44101
 161.008/11/4 Eveready Model 304, Type I, size no. 2.
 161.008/12/4 Eveready Model 305, Type I, size no. 3.

West Products Co., P.O. Box 707, Newark, NJ 07101
 161.008/17/0 Model 2217, waterproof, Type I, size no. 2.
 161.008/18/0 Model 2224, waterproof, Type I, size no. 3.

161.010 FLOATING ELECTRIC WATER LIGHT

Atlantic Pacific Mfg. Corp., 200 Mt. Pleasant Ave., Newark, NJ 07104
 161.010/7/0 Model 6010 Illumination Marker.

Cal-June Corp., P.O. Box 9551, North Hollywood, CA 91609-1551
 161.010/10/0 Model 1803.
 161.010/11/0 Model 1809.

Neo-Flasher Electronics, Inc., 11975 Sherman Rd., North Hollywood, CA 91605
 161.010/2/1 Neo-Flasher, Model CG 161.010/2/1.

161.011 CLASS A EPIRB

ACR Electronics, Inc., 5757 Ravenswood Rd., P.O. Box 5247, Fort Lauderdale, FL 33310-5247
 161.011/5/0 Model ACR/RLB-10, Class A, float-free.
 161.011/10/0 Model ACR/RLB-15.

Dayton-Granger, Inc., 3299 SW Ninth Ave., Ft. Lauderdale, FL 33315
 161.011/1/0 Model EB-2BW Whaler.

Jotron Electronics AS, P.O. Box 85, 32800 Tjodalveg, Norway
 161.011/6/0 Model DB-2051.

Leigh Systems, Inc., 6081 Court Street Rd., Syracuse, NY 13206
 161.011/8/0 "Vespir" (FN 15 01 002), Class A, float-free.

Lucas Marine International, P.O. Box 1206, Washington, NC 27889
 161.011/3/0 Model 3A SLB, Class A, float-free.
 161.011/7/0 Model 5A-EPIRB, Class A, float-free.

Modern Products, Ltd., 1313 Miles St., P.O. Box 683, Victoria, British Columbia, Canada V8W 2P3
 161.011/11/0 Model B-CON-200A.

Offshore Systems Co., 6 Bruce St., Nashua, NH 03060
 161.011/4/0 Model STX-35, Class A, float-free.

Simrad, Inc., One Labriola Ct., Armonk, NY 10504
 161.011/2/0 Model CSIN-A, Class A, float-free.

FORMERLY APPROVED ELECTRICAL EQUIPMENT

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Xcelatona, Inc., 3582 Rhody Dr., Chimacum, WA 98352
161.011/13/0 Model ELB-501 for lifecrafts.
161.011/14/0 Model ELB-503 for vessels.

161.012 PERSONAL FLOTATION DEVICE LIGHT

ACR Electronics, Inc., 5757 Ravenswood Road, P. O. Box 5247, Fort Lauderdale, FL 33310-5247
161.012/10/0 Model ACR/631 personal flotation device light.

161.013 ELECTRIC DISTRESS LIGHT FOR BOATS

Caldwell Corp., 5802 Oak Moss Terr., Burke, VA 22015
The Guest Corp., 48 Elm St., P.O. Box 2509 Station A, Meriden, CT 06450
Marine Safety Products, P.O. Box 102, Center Square, PA 19422
Nicholl Brothers, Inc., 1204 West 27th St., Kansas City, MO 64108

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EQUIPMENT LISTS

FORMERLY APPROVED ENGINEERING EQUIPMENT

- 162.001 SAFETY VALVE (POWER BOILERS)
- 162.002 BOILERS, POWER
- 162.002 SAFETY VALVE (AUXILIARY BOILER)
- 162.003 BOILERS, HEATING
- 162.012 SAFETY VALVES (STEAM HEATING BOILERS)
- 162.013 RELIEF VALVES (HOT WATER HEATING BOILERS)
- 162.015 FLAME ARRESTERS, BACKFIRE (FOR CARBURETORS)

Refer to previous edition for listings of these items.

162.016 FLAME ARRESTERS FOR TANK VESSELS

(Sizes indicated in inches.)

Johnston & Jennings Co., 4700 West Division St., Chicago, IL 60651
 162.016/7/0 Type A-20, sizes 2-1/2" and above.
 162.016/30/2 Oceco Type E21B, sizes 3", 4", 6", 8", 10", and 12".

Protectoseal Co., 225 W. Foster Ave., Bensenville, IL 60106
 162.016/4/0 Model 1004.
 162.016/5/0 Model 1004A.

Shand & Jurs Co., Carlton & Eighth Streets, Berkeley, CA 94710
 162.016/3/1 Figure ST 863, sizes 3", 4", 6", 8", and 10".

Staytite Co., 3006-12 Polk Ave., Houston, TX 77003
 162.016/1/0 Type O, sizes 4", 6", 8", and 10".
 162.016/2/0 Type 1, sizes 4", 6", and 8".
 162.016/31/0 Type LT, sizes 6", 8", and 10".
 162.016/32/0 Type OST, sizes 3" and 4".

Varec Div., Emerson Electric Co., 10800 Valley View Dr., Cypress, CA 90630
 162.016/8/0 Figure no. 50, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/9/0 Figure no. 50A, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/10/0 Figure no. 50ACU, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/11/0 Figure no. 50ABCU, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/12/0 Figure no. 50ACCU, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/13/0 Figure no. 50AN, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/14/0 Figure no. 50B, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/15/0 Figure no. 50C, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/16/0 Figure no. 50CU, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/17/0 Figure no. 50S, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/18/0 Figure no. 50SA, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/19/0 Figure no. 50SG, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/20/0 Figure no. 50SB, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/21/0 Figure no. 50SC, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/22/0 Figure no. 53, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/23/0 Figure no. 53A, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/24/0 Figure no. 53B, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
 162.016/25/0 Figure no. 53C, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".

EQUIPMENT LISTS

- 162.016/26/0 Figure no. 53S, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
- 162.016/27/0 Figure no. 53SA, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
- 162.016/28/0 Figure no. 53SB, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
- 162.016/29/0 Figure no. 53SC, sizes 2-1/2", 3", 4", 6", 8", 10", and 12".
- 162.016/35/0 Figure No. 53 BS, 3", 4", 6", 8", and 10" pipe sizes.
- 162.016/36/0 Figure No. 53 SS, 3", 4", 6", 8", 10", and 12" pipe sizes.

162.017 VALVES, PRESSURE VACUUM RELIEF

(Sizes indicated in inches.)

A. Y. McDonald Manufacturing Co., Dubuque, IA 52001
162.017/9/0 Plate 925-T.

Anderson Greenwood & Co., 5425 South Rice Ave., Houston, TX 77036
162.017/101/0 Style 91, sizes 3", 4", 6", 8" and 12" pilot operated.

Butterworth Systems, Inc., Bayonne, NJ 07002

- 162.017/1/1 Type E.
- 162.017/2/1 Type F.
- 162.017/3/0 Type G.
- 162.017/4/0 Type H-Triplex.
- 162.017/5/0 Type H-2.
- 162.017/56/0 Type 2H-1.
- 162.017/57/0 Type 3H-1.
- 162.017/61/0 Type 1H-1.

Chr. Nielseas EFTF, Hoegh-Guldbergsgade 14, Horsens, Denmark

- 162.017/88/0 Type AZ150, 6".
- 162.017/89/1 Type DA100, 4".

GPE Controls, Inc., Div. of Vapor Corp., 6511 Oakton St., Morton Grove, IL 60053

- 162.017/23/3 Fig. ST-4000-R, size 6".
- 162.017/78/0 Fig. ST-4004, size 4".
- 162.017/91/0 Fig. 4154-04, 6" pilot operated.
- 162.017/92/0 Fig. 4103-05, 4" size.
- 162.017/95/1 Models 94103-35-04 and 94103-45-04, size 4".
- 162.017/97/1 Fig. 94156-04-03, 6" size.
- 162.017/106/0 Dwg. LD-255-13, pressure, vacuum, size 4".
- 162.017/107/0 Dwg. LD-255-18, pressure only, size 8".
- 162.017/108/0 Dwg. LD-255-19, pressure only, size 4".
- 162.017/109/0 Dwg. LD-255-20, vacuum only, size 4".
- 162.017/110/0 Model 9403, size 6".
- 162.017/114/0 Model X94030-04-01SPR 9403-3, 2.5 psig pressure only, size 4".

J. M. Huber Corp., Staytite Dept., P.O. Box 2871, Borger, TX 79007
162.017/84/0 Model MV-250, size 2-1/2".

Japan Steel Engineering Co., Wilson Walton-Howa Bldg., 1-18-5 Bunkyo-Ku, Tokyo, Japan
162.017/135/0 Martin Hi-Jet Mark III system "C" and Junior system "C".

Johnston & Jennings Co., 4700 West Division St., Chicago, IL 60651

- 162.017/6/1 Oceco Type T, sizes 3" and 4".
- 162.017/7/0 Oceco Type TC.
- 162.017/55/0 Oceco Type V-113, sizes 3", 4", 6", 8", 10" and 12".

FORMERLY APPROVED ENGINEERING EQUIPMENT

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Marine Electric Co., 107 Main St., Seattle, WA 98104
162.017/8/0 Marelco.

Mechanical Marine Co., Inc., 45-15 37th St., Long Island City, NY 11101
162.017/10/0 "Vac-Rel" Type No. 1-F.
162.017/11/0 "Vac-Rel" Type No. 2-F.
162.017/12/0 "Vac-Rel" Type No. 2-R.
162.017/13/0 "Vac-Rel" Type No. 3.
162.017/14/0 "Vac-Rel" Type No. 3-F.
162.017/15/0 "Vac-Rel" Type No. 3-V-4.
162.017/59/0 "Vac-Rel" Series No. 1-N.
162.017/60/0 "Vac-Rel" Series No. 3-F-AT.
162.017/79/0 Fig. CG-AL-120, sizes 3", 4", 6", and 8".
162.017/80/0 Fig. CG-AL-130, sizes 3", 4", 5", and 6".
162.017/83/0 Fig. CG-240-AL, size 4".

Midland Manufacturing Corp., 7733 Gross Point Rd., P.O. Box 226, Skokie, IL 60077-0226
162.017/103/0 Type A-205, A-205-W, A-208, A-208-W, A-215, A-215-W, A-220, and A-220-W.
162.017/104/1 Type A-207, A-207-W, A-209, A-209-W, A-217, A-217-W, A-219, A-222, and A-222-W.

Morrison Brothers Co., P.O. Box 238, Dubuque, IA 52004-0238
162.017/16/0 Fig. 148.
162.017/17/0 Fig. 149.
162.017/18/0 Fig. 153-A.

Ohio Pattern Works & Foundry Co., 2735 Colerain Ave., Cincinnati, OH 45225
162.017/19/0 Type OPW No. 95-M.

Pettibone Corp., Ocoeco Div., 4700 West Division St., Chicago, IL 60651
162.017/99/1 OCECO Model V-130N, sizes 6", 8", and 10".

Press-Vac, Svanevang 3, DK-3450 Allerød, Denmark
162.017/87/0 Type PH, 6".

Press-Vac SA, Capitan Haya 3 1, Madrid, Spain 20
162.017/132/0 Type HS-M.

Protectoseal Co., 225 West Foster Ave., Bensenville, IL 60106
162.017/20/0 Model No. 1554.

Shand & Jms Co., Carlton & Eighth Streets, Berkeley, CA 94710
162.017/21/0 Figure ST-432-M.
162.017/22/0 Figure ST-1125.
162.017/24/0 Figure ST-4160.
162.017/25/0 Figure ST-4165.

Slaytite Co., 3006-12 Polk Ave., Houston, TX 77003
162.017/26/0 Type E, sizes 3" and 4".
162.017/27/0 Type "VALTOR," sizes 3" and 4".

Tate Temco, Inc., 1941 Lansdowne Rd., Baltimore, MD 21227
162.017/93/0 Models 53-15F.
162.017/94/0 Models 53-35F.

Vapor Recovery Systems Co., 2820 North Alameda St., Compton, CA 90221
162.017/28/0 "Varec" Figure No. 20.
162.017/29/0 "Varec" Figure No. 20A.

162.017/30/0 "Varec" Figure No. 20B.
 162.017/31/0 "Varec" Figure No. 22.
 162.017/32/0 "Varec" Figure No. 22A.
 162.017/33/0 "Varec" Figure No. 30.
 162.017/34/0 "Varec" Figure No. 30A.
 162.017/35/0 "Varec" Figure No. 30B.
 162.017/36/0 "Varec" Figure No. 31.
 162.017/37/0 "Varec" Figure No. 32.
 162.017/38/0 "Varec" Figure No. 32B.
 162.017/39/0 "Varec" Figure No. 32D.
 162.017/40/0 "Varec" Figure No. 33.
 162.017/41/0 "Varec" Figure No. 33A.
 162.017/42/0 "Varec" Figure No. 33B.
 162.017/43/0 "Varec" Figure No. 34A.
 162.017/44/0 "Varec" Figure No. 34B.
 162.017/45/0 "Varec" Figure No. 35.
 162.017/46/0 "Varec" Figure No. 35A.
 162.017/52/0 "Varec" Figure No. 530.
 162.017/53/0 "Varec" Figure No. 531.
 162.017/62/0 "Varec" Figure No. 35D.

Varec Div., Emerson Electric Co., 10800 Valley View Dr., Cypress, CA 90630

162.017/47/1 Figure No. 37.
 162.017/48/1 Figure No. 37A.
 162.017/49/1 Figure No. 37B.
 162.017/50/1 Figure No. 73.
 162.017/51/1 Figure No. 73A.
 162.017/71/0 Figure No. 732.
 162.017/72/0 Figure No. 734.
 162.017/73/0 Figure No. 734A.
 162.017/74/0 Figure No. 734B.
 162.017/75/1 Figure No. 735.
 162.017/76/2 Figure No. 735A.
 162.017/85/0 Figure No. 720.
 162.017/86/0 Figure No. 720B.

Waukesha Bearings Corp., P.O. Box 1616, Waukesha, WI 53187

162.017/123/1 Type DA, 1.0 - 3.0 psig pressure, 0.5 - 1.0 psig vacuum, sizes 2-1/2", 3", 4", 6", 8", and 10".
 162.017/125/0 Type OA, 1.0 - 3.0 psig pressure relief, sizes 3", 4", 6", 8", and 10".
 162.017/127/0 Type DH, 1.0 - 3.0 psig pressure, 0.5 - 1.0 psig vacuum, sizes 2-1/2", 3", 4", and 6".

Wheaton Brass Works, Newark, NJ 07101
 162.017/54/0 Type 93.

162.018 VALVES, SAFETY RELIEF, LIQUIFIED COMPRESSED GAS

American Car & Foundry Co., 30 Church St., New York, NY 10008

162.018/1/0 ACF Type MA-1 angle valve.
 162.018/2/0 ACF Type MC-1 check valve.
 162.018/3/0 ACF Type MS-6 safety relief valve.
 162.018/4/0 ACF Type MS-7 safety relief valve.
 162.018/5/3 ACF Type MS-8.
 162.018/25/1 Type 1203.
 162.018/26/1 Type 1208.

FORMERLY APPROVED ENGINEERING EQUIPMENT

- 162.018/27/1 Type 1204.
 - 162.018/28/1 Type 1209.
 - 162.018/29/1 Type 1206.
 - 162.018/30/1 Type 1207.
 - 162.018/40/0 Type S-1003.
 - 162.018/41/1 Type S-1011.
- Anderson, Greenwood & Co., 5425 South Rice Ave., Houston, TX 77036
- 162.018/57/1 Types 23, 33, 24, and 34, sizes 2", 3", 4", 6", 8" and 10".
 - 162.018/78/2 Type 91, sizes 2", 3", 4", and 6".
 - 162.018/80/1 Types 81 and 83, inlet sizes 3/4", 1", 1-1/2", and 2".
 - 162.018/87/0 Type 95, inlet sizes 2", 3", 4", and 6".
 - 162.018/88/0 Types 223, 233, 224, and 234, outlet sizes 2", 3", 4", 6", 8", and 10".
 - 162.018/90/0 Type 93, sizes 2", 3", 4", and 6".
- Bastain-Blessing Div., Astro Controls, Inc., 4201 West Peterson Ave., Chicago, IL 60646
- 162.018/6/0 Rego No. 2417, safety relief valve.
 - 162.018/7/0 Rego No. 2137, check valve.
 - 162.018/8/0 Rego No. 2138, check valve.
 - 162.018/9/0 Rego No. 2139, check valve.
 - 162.018/10/0 Rego No. 2472, rotary liquid level gage.
 - 162.018/11/0 Rego No. 2472A, rotary liquid level gage.
 - 162.018/12/0 Rego No. 2472B, rotary liquid level gage.
 - 162.018/13/0 Rego No. 2163, fixed liquid level gage.
 - 162.018/14/0 Rego No. 2148R, slip tube liquid level gage (see 162.019/1/0).
 - 162.018/15/0 Rego No. 2892, tank angle valve.
- Crosby Valve and Gage Co., Wrentham, MA 02093
- 162.018/32/2 Style JO-25, inlet diameters 1" through 6".
 - 162.018/33/3 Style JO-35, inlet diameters 1" through 6".
 - 162.018/47/2 Style JQU, size 4".
 - 162.018/59/0 Style JB-25, inlet diameters 1-1/2" through 6".
 - 162.018/60/0 Style JB-25-3, inlet diameters 1-1/2" through 6".
 - 162.018/61/0 Style JB-26, inlet diameters 1-1/2" through 6".
 - 162.018/62/0 Style JB-26-3, inlet diameters 1-1/2" through 6".
 - 162.018/72/0 400 Series.
 - 162.018/73/0 600 Series.
 - 162.018/81/0 Style JO-22, inlet diameters 1" through 8".
 - 162.018/85/0 Style JBS, inlet diameters 1" through 6".
 - 162.018/86/0 Style JOS, inlet diameters 1" through 6".
- GFE Controls, Inc., Div. of Vapor Corp., 6511 Oakton St., Morton Grove, IL 60053
- 162.018/64/1 S & J Model X94610, sizes 2" and 6".
- J. E. Lomergan Co., Red Lion Rd. west of Verree Rd., P.O. Box 6167, Philadelphia, PA 19115
- 162.018/31/1 Series W-100 and W-300.
 - 162.018/63/0 Model D-20R, size 6".
 - 162.018/71/0 Series 11-W-200 BT.
 - 162.018/74/0 Series D-10.
 - 162.018/75/0 Series DB-30.
 - 162.018/76/0 Series DB-10.
 - 162.018/77/0 Series D-30.
 - 162.018/83/0 Series D0-20, Model DO-20L/S4.

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EQUIPMENT LISTS

Manning, Maxwell & Moore, Inc., Stratford, CT 06497

- 162.018/18/1 Type 1610W.
- 162.018/19/1 Type 1611W.
- 162.018/20/1 Type 1612W.
- 162.018/21/1 Type 1613AW.
- 162.018/22/1 Type 1613BW.
- 162.018/24/1 Consolidated 4" Type 1661.
- 162.018/46/0 Consolidated 4" Type 1661S.

Metal Goods Manufacturing Co., 309 West Hensley Blvd., Bartelsville, OK 74003

- 162.018/17/1 Model No. 62B, slip tube liquid level gage (see 162.019/2/0).
- 162.018/23/0 Model No. 62D, slip tube liquid level gage (see 162.019/3/0).

Midland Manufacturing Corp., 7733 Gross Point Rd., P.O. Box 226, Skokie, IL 60077-0226

- 162.018/65/0 Type 1705, size 2-1/2".
- 162.018/66/0 Type 1706, size 2-1/2".
- 162.018/67/0 Type 1006, size 3".
- 162.018/68/0 Type 3106, sizes 5", 6", and 8".

Sarasia SA, 110 Rue du General Dame, F 59320 Hanbourdia - BP33, France

- 162.018/91/0 Starflow P3 series, Type PB319D, sizes 1", 1-1/2", 2", 3", 4", and 6".
- 162.018/92/0 Starflow P3 series, Type PB318D, sizes 1", 1-1/2", 2", 3", 4", and 6".
- 162.018/93/0 Starflow P3 series, Type PB317D, sizes 1", 1-1/2", 2", 3", 4", and 6".
- 162.018/94/0 Starflow P5 series, Type P53, sizes 1", 1-1/2", 2", 3", 4", and 6".

Teledyne Farris Engineering, 400 Commercial Ave., Palisades Park, NJ 07650

- 162.018/16/1 Type 2680.
- 162.018/70/1 2600 Series, inlet diameters 1" through 6", plain cap construction.

- 162.019 GAGING DEVICES, LIQUID LEVEL, LIQUIFIED COMPRESSED GAS
- 162.020 APPLIANCES, LIQUIFIED PETROLEUM GAS CONSUMING
- 162.024 REGULATORS AND LOW WATER ALARMS, BOILER FEED
- 162.025 INDICATORS, BOILER WATER LEVEL, SECONDARY TYPE
- 162.026 BOILERS, AUXILIARY, AUTOMATICALLY CONTROLLED, PACKAGED

Refer to previous edition for listings of these items.

- 162.027 NOZZLES, FIRE HOSE, COMBINATION SOLID STREAM AND WATER SPRAY (1-1/2" and 2-1/2")

Akron Brass Manufacturing Co., P.O. Box 86, Wooster, OH 44691

- 162.027/4/0 1-1/2 inch Model CG 15 combination solid stream and water spray fire hose nozzle.
- 162.027/5/0 2-1/2 inch Model CG 25 combination solid stream and water spray fire hose nozzle.

162.029 FIXED FIRE EXTINGUISHING SYSTEMS

ADX Fire Systems, Inc., 2795 South Raritan Street, Englewood, CO 80110

- 162.029/12/0 Model FRX-3T, pre-engineered Halon 1211.
- 162.029/64/0 Model 4010, 3.0 lb, automatic, pre-engineered Halon 1211, maximum protected volume 125 gross cubic feet. Use restricted to recreational boats and uninspected vessels.
- 162.029/65/0 Model 4020, 409 lb, automatic pre-engineered Halon 1211, maximum protected volume is 200 gross cubic feet. Use restricted to recreational boats and uninspected vessels.
- 162.029/66/0 Model 4030, 8.5 lb, automatic pre-engineered Halon 1211, maximum protected volume is 363 gross cubic feet. Use restricted to recreational boats and uninspected vessels.

FORMERLY APPROVED ENGINEERING EQUIPMENT

Automatic Sprinkler Corp. of America, 1000 East Edgerton Rd., P.O. Box 180, Cleveland, OH 44147
 162.029/7/0 "Halex" Model 8.5, pre-engineered Halon 1301.
 162.029/8/0 "Halex" Model 17, pre-engineered Halon 1301.
 162.029/9/0 "Halex" Model 25, pre-engineered Halon 1301.
 162.029/10/0 "Halex" Model 33, pre-engineered Halon 1301.

Fire Metal Products Corp., 704 South 10th St., Blue Springs, MO 64015
 162.029/1/0 FIQuench Model 5-BC1301-M, pre-engineered Halon 1301.
 162.029/3/0 FIQuench Model 10-BC1301-M, pre-engineered Halon 1301.
 162.029/4/0 FIQuench Model 20-BC1301-M, pre-engineered Halon 1301.

MHI, Inc., Star Route, Fairplay Rd., Somerset, CA 95684
 162.029/26/0 "Fire Cheetah" Model 1001, 2 lb., pre-engineered Halon 1301.
 162.029/27/0 "Fire Cheetah" Model 1005, 3 lb., pre-engineered Halon 1301.
 162.029/28/0 "Fire Cheetah" Model 1009, 5 lb., pre-engineered Halon 1301.
 162.029/29/0 "Fire Cheetah" Model 1013, 8 lb., pre-engineered Halon 1301.
 162.029/30/0 "Fire Cheetah" Model 1017, 12 lb., pre-engineered Halon 1301.
 162.029/31/0 "Fire Cheetah" Model 1021, 16 lb., pre-engineered Halon 1301.

Sea Fire Marine Products, 4139 Sunset Lane, Northbrook, IL 60062
 162.029/11/0 Sea Fire Marine Model 75M, pre-engineered Halon 1301.

162.030 FIRE EXTINGUISHERS, SEMI-PORTABLE, CARBON DIOXIDE TYPE

Fire Guard Corp., 1685 Sherman Rd., Northbrook, IL 60062
 162.030/1/0 Models 50A-WM-4370, 50A-WM2-4373, and 50A-WM4-4376, 50 lb. hose reel.
 162.030/2/0 Models 75A-WM-13767, 75A-WM2-13768, and 75A-WM4-13769, 75 lb. hose reel.

General Fire Extinguisher Corp., 8740 Washington Blvd., Culver City, CA 90230
 162.030/3/0 Models 50A-WM-4370, 50A-WM2-4373, and 50A-WM4-4376, 50 lb. hose reel.
 162.030/4/0 Models 75A-WM-13767, 75A-WM2-13768, and 75A-WM4-13769, 75 lb. hose reel.

162.032 FIRE EXTINGUISHERS, SEMI-PORTABLE, DRY CHEMICAL TYPE

Ansol Fire Protection, One Stanton Street, Marinette, WI 54143

162.032/1/0 Model S-150-A.
 162.032/2/0 Model S-350-A.
 162.032/9/0 Model S-500-A.
 162.032/10/0 Model S-1000-A.
 162.032/11/0 Model S-2000-B.

Fire Control Engineering Co., 600 Camp Bowie Blvd., Ft. Worth, TX 76116
 162.032/8/1 Model D15a.

Fyr-Fyter Co., P.O. Box 2750, Newark, NJ 07114
 162.032/3/0 C-O-Two, Type DCHU-150, 150 lb.
 162.032/4/0 C-O-Two, Type DCHU-300, 300 lb.
 162.032/5/0 C-O-Two, Type DCHU-500, 500 lb.

Walter Kidde, Div. of Kidde, Inc., 1394 S. Third St., Mebane, NC 27302-9199
 162.032/6/0 Model 200 DCPS, 400 lb.
 162.032/7/0 Model 200 DCPS, 400 lb.

162.033 FIRE EXTINGUISHING SYSTEMS, FOAM TYPE

Angus Fire Armour Corp., Angier-Kennebec Rd. and Broad St., Angier, NC 27501
 162.033/17/0 Model AF-100, mobile hose reel station.

Chubb National Foam, Inc., 150 Gordon Dr., Lionville, PA 19353
 162.033/1/1 National Aer-O-Foam Marine Foam Fire Extinguishing System with 6% foam liquids, instruction sheet No. 620B.
 162.033/7/1 National Aer-O-Foam 100 Marine Foam Fire Extinguishing Systems with foaming concentrate and liquid.

Feecon Corp., 9 Otis St., Westboro, MA 01581
 162.033/14/0 Feecon Cobra 3 foam system using 3% Cobra 3 regular foam.

Fire & Technical Equipment Corp., P.O. Box 2572, Ft. Worth, TX 76101
 162.033/20/0 Model AF60P, AFFF mobile hose reel station.

Gulf Engineering Co., Inc., P.O. Box 14028, 4425 Dixie Dr., Houston, TX 77021
 162.033/21/0 Model 70140, AFFF mobile hose reel station.
 162.033/22/0 Model 70070, AFFF mobile hose reel station.

Norris Industries, Fire & Safety Equipment Div., P.O. Box 2750, Newark, NJ 07114
 162.033/3/0 Pyrene Marine Air Foam Systems (6% low expansion), design data booklet IF-1758.
 162.033/4/1 Pyrene Marine Air Foam Systems (3% low expansion), design data booklet RMT-36.

Rockwood Systems Corp., 640 Main St., Lancaster, TX 75146
 162.033/5/0 Rockwood Marine Air Foam System (6% low expansion), design data booklet S-7008.

162.035 FIRE EXTINGUISHING SYSTEMS, BROMOTRIFLUOROMETHANE TYPE

Kidde-Fearwal Inc., 400 Main Street, Ashland, MA 01721
 162.035/1/1 Kidde Bromotrifluoromethane (C Br F3).

Norris Industries, Fire & Safety Equipment Div., P.O. Box 2750, Newark, NJ 07114
 162.035/2/1 Fyr-Fyter Marine Bromotrifluoromethane (C Br F3) for hydrofoil craft, typical installation dwg. no. C-9A730.

162.036 FIRE EXTINGUISHING SYSTEMS, WATER SPRAY TYPE

Akron Brass Manufacturing Co., P.O. Box 86, Wooster, OH 44691
 162.036/1/0 Akron Foghead Systems, Models 1" BM-54, 1" DM-24, 1/2" BM-15, 1/2" SDM-34, and 1/2" DM-15.

162.038 FIRE EXTINGUISHING SYSTEMS, CARBON DIOXIDE TYPE

General Fire Extinguisher Corp., 8740 Washington Blvd., Culver City, CA 90230
 162.038/4/0 "General" high pressure carbon dioxide, typical installation drawing no. M-5810-1.

Norris Industries, Fire and Safety Equipment Div., P.O. Box 2750, Newark, NJ 07114
 162.038/2/0 "C-O-TWO" high pressure carbon dioxide.

Randolph Laboratories, Inc., Northbrook, IL 60062
 162.038/5/0 "Randolph" high pressure CO2, typical systems drawing no. 2695, multiple hazards dwg. no. 5257, & parts list dwg. no. 5390.

162.041 BACKFIRE FLAME CONTROL, GASOLINE ENGINES; FLAME ARRESTERS

Air-Maze Incom International, Inc., 25000 Miles Rd., Cleveland, OH 44128
 162.041/78/0 Air-maze no. 2 Unimaze.
 162.041/79/0 Air-maze no. 4 Unimaze.
 162.041/90/0 Air-maze no. 3 Unimaze.

FORMERLY APPROVED ENGINEERING EQUIPMENT

Barbron Corp., 14580 Lesure Ave., Detroit, MI 48227
162.041/2/1 Barbron Part Nos. 5721B & 5721A.
162.041/3/1 Barbron Part Nos. 57251B & 57251A.
162.041/4/1 Barbron Part Nos. 5731B & 5731A.
162.041/5/1 Barbron Part Nos. 5751B & 5751A.
162.041/6/2 Barbron Part Nos. 5733B & 5733A.
162.041/7/1 Barbron Part Nos. 3821B & 3821A.
162.041/8/2 Barbron Part Nos. 5753B & 5753A.
162.041/9/3 Barbron Part Nos. 5724B & 5724A.
162.041/10/1 Barbron Part Nos. 3822B & 3822A.
162.041/11/2 Barbron Part Nos. 3823B & 3823A.
162.041/12/1 Barbron Part Nos. 3824B & 3824A.
162.041/13/1 Barbron Part Nos. 3825B & 3825A.
162.041/14/1 Barbron Part Nos. 5725B & 5725A.
162.041/68/2 Barbron Part Nos. 5726B & 5726A.
162.041/69/1 Barbron Part Nos. 5728B & 5728A.
162.041/70/1 Barbron Part Nos. 5722B & 5722A.
162.041/97/1 Barbron Part Nos. 5729B & 5729A.
162.041/102/0 Barbron Part No. 400-20.
162.041/104/1 Barbron Part Nos. 57210B & 57210A.
162.041/114/0 Barbron Part No. 400-23.
162.041/117/1 Barbron Part Nos. 3826B & 3826A.
162.041/122/1 Barbron Part Nos. 3827B & 3827A.
162.041/126/0 Barbron Part Nos. 5727B & 5727A.
162.041/127/0 Barbron Part Nos. 57211B & 57211A.
162.041/128/0 Barbron Part Nos. 57212B & 57212A.
162.041/129/0 Barbron Part Nos. 57213B & 57213A.
162.041/133/0 Barbron Part Nos. 57215B & 57215A.
162.041/135/0 Barbron Part Nos. 57214B & 57214A.
162.041/137/0 Barbron Part Nos. 571510B & 571510A.
162.041/138/1 Barbron Part Nos. 5723B & 5723A.
162.041/139/0 Part No. 57157.
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162.041/143/0 Part No. 381511B.
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162.041/145/0 Part No. 38156B.
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162.041/149/0 Part No. 38110B.
162.041/150/0 Part No. 38112B.
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162.041/153/0 Part No. 381510B.
162.041/154/0 Part No. 381512B.
162.041/155/0 Part No. 3828B.
162.041/156/0 Part No. 3829B.
162.041/157/0 Part No. 38210B.
162.041/158/0 Part No. 38211B.
162.041/159/0 Part No. 38212B.
162.041/160/0 Part No. 57153B.

162.041/161/0 Part No. 5713B.
 162.041/162/0 Part No. 38113B.
 162.041/163/0 Part No. 381513B.
 162.041/164/0 Part No. 38213B.
 162.041/165/0 Part No. 38114B.
 162.041/166/0 Part No. 381514B.
 162.041/167/0 Part No. 38214B.
 162.041/171/1 Part No. 5714B.
 162.041/172/0 Part No. 57154B.
 162.041/173/0 Part No. 38115B.
 162.041/174/0 Part No. 381515-B.
 162.041/175/0 Part No. 38215-B.
 162.041/176/0 Part No. 57221B.
 162.041/179/0 Part No. 38117B.
 162.041/180/0 Part No. 38217B.
 162.041/181/0 Part No. 381517B.
 162.041/182/0 Part No. 57159B.
 162.041/183/0 Part No. 571317B and 571517B.
 162.041/184/0 Part No. 57218B.
 162.041/185/0 Part No. 57118B.
 162.041/186/0 Part No. 571518B.
 162.041/187/0 Part No. 57510B.
 162.041/188/0 Part No. 571519B.

Bendix Corp., Fuel Devices Div., 696 Hart Ave., Detroit, MI 48214

162.041/64/0 Bendix Model C175-11.
 162.041/65/0 Bendix Model C175-11A.
 162.041/66/0 Bendix Model C175-35.
 162.041/67/0 Bendix Model B175-38.
 162.041/80/0 Bendix Model B175-13.
 162.041/81/0 Bendix Model B175-13A.
 162.041/82/0 Bendix Model B175-13B.
 162.041/83/0 Bendix Model B175-14.
 162.041/84/0 Bendix Model B175-17.
 162.041/85/0 Bendix Model B175-18.
 162.041/86/0 Bendix Model B175-20.
 162.041/87/0 Bendix Model B175-21.
 162.041/88/0 Bendix Model B175-19.
 162.041/89/0 Bendix Model B175-19A.
 162.041/91/0 Bendix Model B175-12A.
 162.041/92/0 Zenith Model B175-16.
 162.041/108/2 Bendix Model B175-49.
 162.041/109/0 Bendix Model B175-54.
 162.041/110/0 Bendix Model B175-52.
 162.041/111/0 Bendix Model B175-53.
 162.041/112/0 Bendix Model B175-51.
 162.041/115/0 Bendix Model A175-50.
 162.041/123/0 Bendix Model B175-56.
 162.041/130/0 Bendix Model B175-57.
 162.041/131/0 Bendix Model B175-58.
 162.041/132/0 Bendix Model B175-59.

FORMERLY APPROVED ENGINEERING EQUIPMENT

Chrysler Corp., 12200 East Jefferson Ave., Detroit, MI 48231
 162.041/140 Volvo-Penta Model No. 886437.
 162.041/96/0 Volvo assembly No. 886347.
 162.041/107/0 Volvo-Penta Model No. 886601.

Elliott & Hutchens, Inc., Malone, NY 12953
 162.041/103/0 Bombardier Model No. SD-8.

Fisher Industries, 1625 West Maple Rd., Troy, MI 48064
 162.041/19/0 Fisher Model No. 1100.
 162.041/20/0 Fisher Model No. 1125.
 162.041/21/0 Fisher Model No. 1150.
 162.041/22/0 Fisher Model No. 1175.
 162.041/23/0 Fisher Model No. 2100.
 162.041/24/0 Fisher Model No. 2125.
 162.041/25/0 Fisher Model No. 2150.
 162.041/26/0 Fisher Model No. 2175.
 162.041/27/0 Fisher Model No. 3125.
 162.041/28/0 Fisher Model No. 3150.
 162.041/29/0 Fisher Model No. 4100.
 162.041/30/0 Fisher Model No. 4125.
 162.041/31/0 Fisher Model No. 4150.
 162.041/32/0 Fisher Model No. 4175.
 162.041/33/0 Fisher Model No. 4200.
 162.041/34/0 Fisher Model No. 4250.
 162.041/35/0 Fisher Model No. 5100.
 162.041/36/0 Fisher Model No. 5125.
 162.041/37/0 Fisher Model No. 5150.
 162.041/38/0 Fisher Model No. 5175.
 162.041/39/0 Fisher Model No. 5200.
 162.041/40/0 Fisher Model No. 5250.
 162.041/41/0 Fisher Model No. 6100.
 162.041/42/0 Fisher Model No. 6125.
 162.041/43/0 Fisher Model No. 6150.
 162.041/76/0 Fisher Model No. 3100.

Gaffrig Precision Instruments Inc., 2243 North Clybourn, Chicago, IL 60614
 162.041/211/0 Model GFA-XXXX-8-X, stainless steel flame arresters, suffix "BT" models equipped with

Greenwich Marine Engines Div., Hekman Advanced Mach. Co., Palmer Point, Cos Cob, CT 06807
 162.041/77/1 Greenwich Model 7336.

Industrial Strainer Co., 695 Amelia St., Plymouth, MI 48170
 162.041/17/0 Industrial Strainer No. E-2470.
 162.041/18/2 Industrial Strainer No. 2365.

Jet Board Corp., 9255 Sunset Blvd., Los Angeles, CA 90069
 162.041/93/1 Model JB1056.

Kawasaki Motors Corp. USA, 2009 East Edinger Ave., P.O. Box 25252, Santa Ana, CA 92799-5252
 162.041/170/0 Model Y73.
 162.041/206/1 part no. 59006-3005C.
 162.041/209/1 Model 59006-3701A.

Kiekhaefer Corp., Fond du Lac, WI 54935

162.041/15/0 Kiekhaefer flame arrester assemblies 38508A2 and 38509A1.

162.041/101/0 Kiekhaefer assembly no. 47934A1.

Onan Corp., Onan Div., 1400 73rd Ave. NE, Minneapolis, MN 55432

162.041/16/0 Model 145B354.

162.041/99/0 Model 145B393.

162.041/100/0 Model 145B386.

Outboard Marine Corp., 100 Sea Horse Dr., Waukegan, IL 60085-2195

162.041/193/0 Leaf plate and leaf valve assembly for model 15S10S engine.

162.041/199/0 Model 982232.

162.041/213/0 Model 984956.

Volvo-Penta of America, Inc., 1 Volvo Dr., P.O. Box 927, Rockleigh, NJ 07647

162.041/44/0 Models 825681 and 834418.

162.041/113/0 Model 886601.

162.041/134/0 Model 886662.

162.041/178/0 Model MB10A.

162.041/189/0 Model 841169.

Woods Energy Products, Inc., A Facet Enterprise, P.O. Box 27128, Tulsa, OK 74149-0128

162.041/94/3 Bendix Model B175-39.

162.041/95/3 Bendix Model B175-40.

162.041/98/3 Bendix Model B175-42.

162.041/116/0 B175-55 flame arrester with B-177-17A element assembly.

162.041/118/0 Bendix Model B175-48.

162.041/119/0 Bendix Model B175-46.

162.041/120/0 Bendix Model B175-47.

162.041/121/0 Bendix Model B175-45.

162.041/192/1 Types B175-49, B175-55, B175-62, B175-75.

162.041/195/4 Types A175-64, A175-68, A175-70, A175-71.

162.041/196/2 Type A175-63.

162.041/197/2 Types A175-65 and A175-67.

162.041/200/3 Model A175-66.

162.041/215/0 Types B175-77 and B175-78.

162.042 BACKFIRE FLAME CONTROL, GASOLINE ENGINES; ENGINE AIR AND FUEL INDUCTION SYSTEMS

Air Cushion Vehicles, Inc., RD 5, Box 85, Troy, NY 12180

162.042/6/0 JLO Model LB 600/2.

Mercury Marine, W6250 Pioneer Rd, PO Box 1939, Fond Du Lac, WI 54936-1939

162.042/8/0 Model MCM 320.

Outboard Marine Corporation, 100 Sea Horse Dr., Waukegan, IL 60085-2195

162.042/1/0 OMC 488 Model DU Engine.

162.042/2/0 OMC 490 Model DU Engine.

162.042/3/0 OMC Model 3993067210-6R72D six horsepower powerhead.

162.042/4/1 OMC Models 20R73 and 25R74, 20 and 25 horsepower powerheads.

162.042/5/0 OMC Model MQ-185, 9-1/2 horsepower powerhead.

Sea Crest, Inc., 119 NE First St., Little Falls, MN 56345

162.042/7/0 Suzuki DT50 powerhead with DT50 reed valve fuel induction arrangement.

FORMERLY APPROVED ENGINEERING EQUIPMENT

162.050 OIL POLLUTION PREVENTION EQUIPMENT

Bristol Babcock Ltd., 218 Purley Way, Croydon CR9 4HE2S, United Kingdom
 162.050/5001/0 (old 162.050/0125/1) Model 5 E, Type 1411 C cargo monitor.
 162.050/5009/0 Model OTM-17X.

Butterworth Systems (UK), Ltd., 445 Brighton Rd., South Croydon, Surrey CR2 6EU, United Kingdom
 162.050/1104/0 Model SFC-5 BW, 2.0 cu. m/h oily water separator.
 162.050/1105/0 Model SFC-8 BW, 5.0 cu. m/h oily water separator.
 162.050/1106/0 Model SFC-12 BW, 10.0 cu. m/h oily water separator.

EMV AB, Saab Tank Control Div., Elektraaven 12-16, S-12630 Hagersten, Sweden
 162.050/5002/0 (old 162.050/225/1) Model Salvico cargo monitor.

Facet Quantek, Inc., P.O. Box 50096, Tulsa, OK 74150-0096
 162.050/1170/0 Model OPB-10C, 10 gpm.
 162.050/5005/1 Model MARK V Ballast Monitor.

Hamworthy Engineering Ltd., Pump and Compressor Div., Fleets Corner, Poole, Dorset BH17 7LA, United Kingdom
 162.050/1117/0 Model HS 1, 1 cu. m/hr oily water separator.
 162.050/1118/0 Model HS 2.5, 2.5 cu. m/hr oily water separator.
 162.050/1119/0 Model HS 5.0, 5.0 cu. m/hr oily water separator.

Horiba Ltd., Miyahigashi Kishon, Minami-Ku, Kyoto, Japan
 162.050/3008/0 Model OCMA-34 bilge alarm.

Howaldtswerke-Deutsche Werft, Aktiengesellschaft, PO Box 11 14 80, 2000 Hamburg 11, Federal Republic Of Germany
 162.050/1153/0 Model TEF-1S, 1 cu. m/hr oil water separator.
 162.050/1154/0 Model TEF-10S, 10 cu. m/hr.
 162.050/1173/0 Model TEF-0.5S, 0.5 cu. m/hr oil water separator.
 162.050/1174/0 Model TEF-2.5S, 2.5 cu. m/hr oil water separator.
 162.050/1175/0 Model TEF-5S, 5 cu. m/hr oil water separator.

Hyde Products, 810 Sharon Dr., Cleveland, OH 44145
 162.050/1082/0 Model Hyde 1.5 gpm, 3 cu. m/hr oil water separator.

Pamatic Pollution Control Corp., 88 Ford Road, , Denville, , New Jersey 07834-1634
 162.050/1051/0 Model SH2-12, 2.72 m3/h oil water separator.
 162.050/1052/0 Model SH2-20, 4.54 m3/h oil water separator.
 162.050/1053/0 Model SH2-40, 9.08 m3/h oil water separator.

Sasakura Engineering, 7-32 Mitcujima 4-Chome, Nishiyodogawa-Ku, Osaka, Japan
 162.050/5003/0 Cargo deballasting meter (cargo monitor), Model 5E, Type OTM 1411 C. Total system identified as OTM-17.

Seres, Rue Albert Einstein, Z.I. d'Aix-En-Provence, 13763 Les Milles CEDEX, France
 162.050/5008/0 Model DRUR 545D cargo monitor.
 162.050/5010/0 Model ODME S.663 cargo monitor.
 162.050/9005/0 Model DRUR 545D (See cargo monitor 162.050/5008/0).
 162.050/9007/0 Model ODME-S.663 (See Cargo monitor 162.050/5010/0).

Sumitomo Precision Products Co., 6, 2-Chome, Nishinagasa Hondori, Amagasaki, Hyogo Prefecture 660, Japan
 162.050/5006/1 Model OILCON MK III cargo monitor (combination of ITT oil content meter and Sumitomo computer).

VAF Instruments B.V., P O Box 40, NL-3300 AA Dordrecht, Netherlands
 162.050/5004/1 (old 162.050/0425/1) Model OILCON MK III cargo monitor.
 162.050/9001/0 Model ITT Comoflow-VAFI (old 162.050/0129/1) bilge monitor.

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EQUIPMENT LISTS

W-169

FORMERLY APPROVED ENGINEERING EQUIPMENT

FORMERLY APPROVED CONSTRUCTION

163.003 PILOT LADDER

Sidewinder International Ltd., 4902 Lord Bryan Rd., Wilmington, NC 28405

163.003/1340 Pilot Ladder, wooden steps, bottom four steps molded polyurethane plastic, dacron-polyester propylene rope suspension members.

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EQUIPMENT LISTS

W-171

FORMERLY APPROVED ENGINEERING EQUIPMENT

FORMERLY APPROVED MATERIALS

164.018 RETROREFLECTIVE MATERIAL

Reflexite Corp., 315 South St., P.O. Box 1200, New Britain, CT 06050
164.018/20 "Reflexite Polycarbonate Microprism Reflective Sheeting", Type I.

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